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1980 ANNUAL REPORT



WYOMING GAME AND FISH DEPARTMENT

BEST AVAILABLE COPY

THE STATE OF WYOMING



ED HERSCHLER
GOVERNOR

Game and Fish Department

CHEYENNE, WYOMING 82002

EARL M. THOMAS
DIRECTOR

August 20, 1980

Honorable Ed Herschler
Governor, State of Wyoming
Capitol Building
Cheyenne, Wyoming 82002

Dear Governor Herschler:

In accordance with Wyoming law, it is my pleasure to submit to you the Annual Report on Wyoming Game and Fish Department activities for fiscal year 1980. The Report was prepared by the Department at the direction of the Commission and covers the period July 1, 1979 through June 30, 1980.

This Report is intended to assist you personally in evaluating Wyoming's wildlife and conservation programs. We also hope it will be used as an interesting, informative document to aid legislators, sportsmen, community leaders and general citizens who might wish to use it for analysis of our efforts in the management of Wyoming's wildlife resource.

Respectfully submitted,

A handwritten signature in cursive script, reading "John Anselmi".

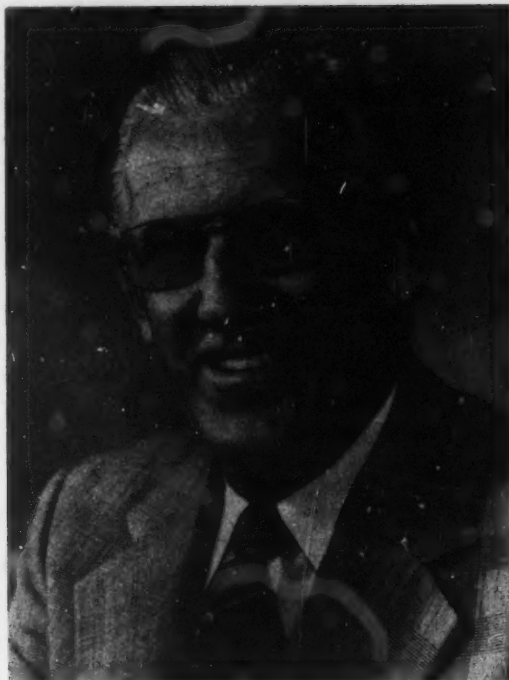
John Anselmi, President
Wyoming Game and Fish Commission

JA:sw

1980 ANNUAL REPORT

Wyoming Game and Fish Department

THE COMMISSION



Ed Herschler
Governor of Wyoming



John Anselmi, Rock Springs
Commission President
Attorney
Represents Sweetwater,
Carbon and Albany Counties



J.W. "Wes" Myers,
Evanston
Commission Vice President
Rancher
Represents Uinta,
Lincoln, Sublette
and Teton Counties



Gene Bondi, Sheridan
Gasoline Distributor
Represents Sheridan,
Johnson and Campbell
Counties



Dedicated to the proper development and maintenance of all of the wildlife of the state on a sustained yield basis for the best public interest.



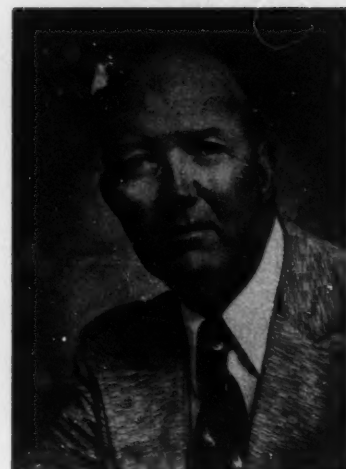
Vincent A. Hays,
Thermopolis
Rancher
Represents Park, Big
Horn, Washakie and
Hot Springs Counties



Mrs. Francis Osborn,
Cheyenne
Realtor
Represents Platte,
Goshen and Laramie
Counties



David L. Wheeler, Lander
Mechanic, U.S. Steel
Represents Converse,
Fremont and Natrona
Counties



Verne Barton, Jr.,
Newcastle
Rancher
Represents Crook,
Weston and Niobrara
Counties

DIRECTORY

GAME DIVISION

Pete Peters, Assistant Chief Game Warden

DISTRICT NO. 1: *Jackson*—Tom Toman, Supervisor; Doug Crawford, Joy Smith, Garvice Roby, Earl Basye, Tom Alcorn, Ernie Wampler, Fred Herbel; *Pinedale*—Dennis Almquist, James Straley, Dean Rich, Duane Early, Sherri Evans; *Big Piney*—Chuck Thornton, Dallas Jenkins; *Afton*—Duane Hyde; *Etna*—Ron Dean; *Smoot*—Dave Lockman.

DISTRICT NO. 2: *Cody*—Terry Killough, Supervisor; Dave Bragonier, Jim Yorgason, Bonney Wantulok, Tim Fagan, Jim Oudin, Larry Roop; *Lovell*—Jay Lawson; *Powell*—Mac Black; *Thermopolis*—Frank Baggs, Calvin King; *Greybull*—Gregg Arthur, Elaine Raper; *Meeteetse*—Jim Lawrence; *Tenleep*—John Hyde; *Worland*—Cole Thompson.

DISTRICT NO. 3: *Sheridan*, Gary Shorma, Supervisor; Robert Williams, Roger Wilson, Terry Cram, Chuck Repsis, Marcelle Henry; *Buffalo*—Ray Arzy, John Schneidmiller; *Gillette*—Lin Bashford, Rick Pallister, Walt Gasson; *Moorcroft*—Sid Clark; *Dayton*—Bob Peterson; *Kaycee*—Bill Backer.

DISTRICT NO. 4: *Green River*—Phil Riddle, Supervisor; George Carson, James Bradley, James June, Don Roy, Duane Kerr, Evaline Valencia; *Rock Springs*—Allen Round; *Kemmerer*—Chuck Oakley, Frontier—Kevin Jones; *Cokeville*—Bob Ferguson; *Evanston*—Bill Courtney; *Baggs*—Randy Johnson, Dave Moody.

DISTRICT NO. 5: *Laramie*—Dave Mobley, Supervisor; John Newman, Paul Breed, Joe Bohne, Bill Haley, Bob Sexton, John Demaree, Lee Ann Thompson; *Cheyenne*—Barry Floyd, Bill Kozas; *Wheatland*—Chuck Ward, Reg Roth; *Medicine Bow*—Roy Prazma; *Torrington*—Ed Burns, *Saratoga*—Gary Brown.

DISTRICT NO. 6: *Lander*—William Crump, Supervisor; Marvin Hockley, John Emmerich, Shirley Smith, Ken Persson; *Dubois*—Kay Bowles; *Hudson*—Ron Iverson; *Rawlins*—Dennis Smith; *Riverton*—Tim Britt; *Shoshoni*—William Eversole; *Jeffrey City*—Kent Schmidlin; *Sinclair*—Gregg Hiatt, Gary Good; *Hanna*—Bruce Johnson.

DISTRICT NO. 7: *Casper*—Terry Cleveland, Supervisor; Dave Avey, Walt Bond, Larry Pate, Margaret Boehler, Cliff Stevens, Tom Varcalli; *Douglas*—Bob Trebelcock, Russ Pollard; *Lusk*—Dale Daniels, Bill Helms; *Newcastle*—Les Donahue, Joe Nemick; *Sundance*—Jim Johnston.

WARDEN TRAINEES: John Talbott, David Leffler, Craig Sax, Neil Hymas.

BIRD FARMS: *Sheridan*—Bud Campbell, Superintendent; Farrel Johns, Fred Adsit; *Yoder (Downar Bird Farm)*—Garland Poits, Superintendent; Steve Schafer.

WATERFOWL: *Torrington*—George Wrekestraw, Supervisor; *Lingle*—Dick Saul; *Lander*—Leonard Serduik, Bob Oakleaf.

WATERCRAFT: *Cheyenne*—Steve Smith.

BIOLOGICAL SERVICES: Dale Strickland, Supervisor; Harry Harju, Staff Biologist; Robin Vinzant, Secretary.

SECRETARIES: Ginger Crawford, Barb Long.

FISH DIVISION

Steve Facciani, Assistant Chief Fish Warden

DISTRICT NO. 1: *Dubois*—Jack Conley, Supervisor.

AUBURN HATCHERY: Ralph Bonner, Superintendent; Norman Presgrove, Ass't Superintendent; Warren Mischke.

BOULDER REARING STATION: Leo McCreery, Superintendent; Miles Bennet, Ass't Superintendent; Doug Slames.

COMO BLUFF HATCHERY: Arthur Tanner, Superintendent; Wayne Fornstrom, Ass't Superintendent; Wayne Manore.

DANIEL HATCHERY: Orville Landen, Superintendent; John Murphy, Ass't Superintendent; Art Viola.

DUBOIS HATCHERY: Richard Cheeney, Superintendent, Larry Burgess, Ass't Superintendent; William Grobe.

SPAWNING AND DISTRIBUTION: *Pinedale*—Charles Raper; *Dubois*—John Burns.

HEAVY EQUIPMENT OPERATOR: *Dubois*—Gerald Hilbird.

DISTRICT NO. 2: *Story*—Ralph C. Garbutt, Supervisor.

CLARKS FORK HATCHERY: Don Terry, Superintendent; Joe Satake, Ass't Superintendent; Gerald Linsdau, Lee McDonald, Ray Messamer.

DAN SPEAS REARING STATION: David Miller, Ass't Superintendent; Steve Sharon, Thomas Condon, Steve Gnagy.

STORY HATCHERY: Ben Roman, Superintendent; Paul Kretschmar, Ass't Superintendent.

TENSLEEP HATCHERY: John Eschrich, Superintendent; Howard Hehne, Ass't Superintendent; Jerry Hulse.

TILLET SPRINGS REARING STATION: Eugene Hoiten, Superintendent; Paul Worst, Ass't Superintendent.

WIGWAM REARING STATION: Don Peterson, Superintendent; John Turner, Ass't Superintendent; Richard Metz, Dave Ackerman.

SPAWNING & DISTRIBUTION: *Story*—Carl Walker, Gerald Leger-ski.

SECRETARY: *Cheyenne*—Josephine Plemel.

Fishery Field and Research Operations

John Baughman, Coordinator

MANAGEMENT AREA NO. 1: *Jackson*—Jon Erickson, Area Fisheries Supervisor; John Kieffling, Ralph Hudelson.

MANAGEMENT AREA NO. 2: *Lander*—Charles Viox, Jr., Area Fisheries Supervisor; Kerry Connell.

MANAGEMENT AREA NO. 2A: *Cody*—Louis Pechacek, Area Fisheries Supervisor; Ron Kent, Steve Yekel.

MANAGEMENT AREA NO. 3: *Buffalo*—John W. Mueller, Area Fisheries Supervisor; Louis Rockett, William Wichers.

MANAGEMENT AREA NO. 4: *Pinedale*—Glen Dunning, Area Fisheries Supervisor; Jim Kurtz, Ronald Remmick.

MANAGEMENT AREA NO. 4A: *Green River*—Dave Dutck, Area Fisheries Supervisor; William Wengert, Mike Snigg.

MANAGEMENT AREA NO. 5: *Laramie*—Don D. Miller, Area Fisheries Supervisor; Mel Oberholtzer, Robert McDowell.

MANAGEMENT AREA NO. 5A: *Casper*—Lawrence W. Peterson, Area Fisheries Supervisor; Jack McMillan, Ron McKnight.

ECOLOGICAL SERVICES MANAGER: Mike Stone.

PROJECT BIOLOGIST: Allen Conder.

SPECIAL PROJECT RESEARCH SUPERVISOR: *Laramie*—Bob Wiley.

WATER QUALITY CONTROL SUPERVISOR: *Lander*—Robert Millis, Don Pedlar.

COMMERCIAL FISHERIES BIOLOGIST: *Casper*—Roy Whaley.

HABITAT BIOLOGIST: *Lander*—Allen Binns, Robert Pistono.

FISHERIES POPULATION BIOLOGIST: *Laramie*—Steve Yundt.

SECRETARY: Anita Karl.

RESEARCH AND DEVELOPMENT DIVISION

Webster B. Jones, Assistant Chief

Lands Administration

Cheyenne—Land Specialist, Art Reese, Assistant; Dave Hunt.

Engineering

Cheyenne—Jon Ogden, Chief; Steve Pechacek, Martin Egan, Dick Smith, David Hinds.

Habitat Management

Don A. Johnson, Supervisor, Cheyenne

HABITAT BIOLOGISTS: *Casper*—Bill Gerhart, Richard Olson.

REGION NO. 1: *Riverton*—Ken Asay, Manager; Gary Thayer, Bert Jellison.

REGION NO. 2: *Lovell*—Wayne Darnall, Manager; Bob Gurney, Bob Yates, John Straw.

REGION NO. 3: *Yoder*—Lloyd Harrison, Manager; *Huntley*—Bob Luce; *Yoder*—Steve Kilpatrick.

REGION NO. 4: *Dubois*—Gary Butler, Manager; *Jackson*—Chuck Clarke; *Fontenelle*—Jerry Radzay.

CONSTRUCTION: *Lander*—Bob Engstrom, Superintendent; Ed Novotny, Foreman; Don Schultness, Foreman.

Technical Research

William G. Hepworth, Director, Laramie

SYBILLE GAME RESEARCH UNIT: *Wheatland*—Floyd M. Blunt, Director; Huey Dawson, Carl Engstrom.

WILDLIFE RESEARCH LABORATORY: *Laramie*—Douglas L. Mitchum, Supervisor; E. Tom Thorne, D.V.M., Research Veterinarian, Tom Moore, Loris Sherman, Cynthia Dame.

RESEARCH BIOLOGISTS: *Sundance*—Elroy Taylor.

SECRETARY: *Laramie*—Jean Valdez.

SECRETARIES: *Cheyenne*—Kathy Stern; n, Anna Barker.

OFFICE AND FISCAL DIVISION

Ed Furman, Assistant Fiscal Officer

LICENSES: John Rinehart, Manager; Dorothy Pruter, Assistant Manager; Beryl Koehler, Virginia Groth, Carl D. Rusk, Kathleen Kuno, Anne Port, Rose Palmer, Dale Critchfield, Sherry Hughes, Trudy Brabetz.

ACCOUNTING: Ada Butterfield, Administrative Accountant; Sheila Clark, Mary Garey, Sue Hollings, Dawne Winchester, Hope Weydeveld, Dawnetta Terrill, Leslie Grossnickle.

PURCHASING: Ted Hassinger, Purchasing Agent; Dean Jeffries, Renee Turnbaugh.

SECRETARY: Diana Glaser.

MAIL CLERK: Nelle Ramey.

ADMINISTRATIVE DIVISION

SPECIAL ASSISTANT ATTORNEY GENERAL: Thomas C. Bogus. INTER-AGENCY: Ted C. Baker, Coordinator; Betty McBee, Assistant Federal Aid.

PROJECT MANAGER: Ray Guthridge

DEPARTMENT PLANNERS: Doug Crowe, Coordinator; Lee Rayburn, Dave Rippe.

ENVIRONMENTAL SPECIALIST: Bruce Marker.

PERSONNEL OFFICER: George Padget.

SECRETARIES: Sharon Wallace, Lore Roberts, Alta Griffin, Patty Moe, Donna Hammer, Myrna Rankin.

Communications Division

EDUCATION: Joe Vogler, Jake Hohl, Steve Leggans, Wanda Crosby. WYOMING WILDLIFE Magazine; Duane Muchmore, Bernie Kuntz, LuRay Parker, Helen Christensen, Jean Hill, Dawnetta Terrill.

PUBLIC INFORMATION: Bill Brown, Al Langston, Sandy Stokes, Marsha Butlett.

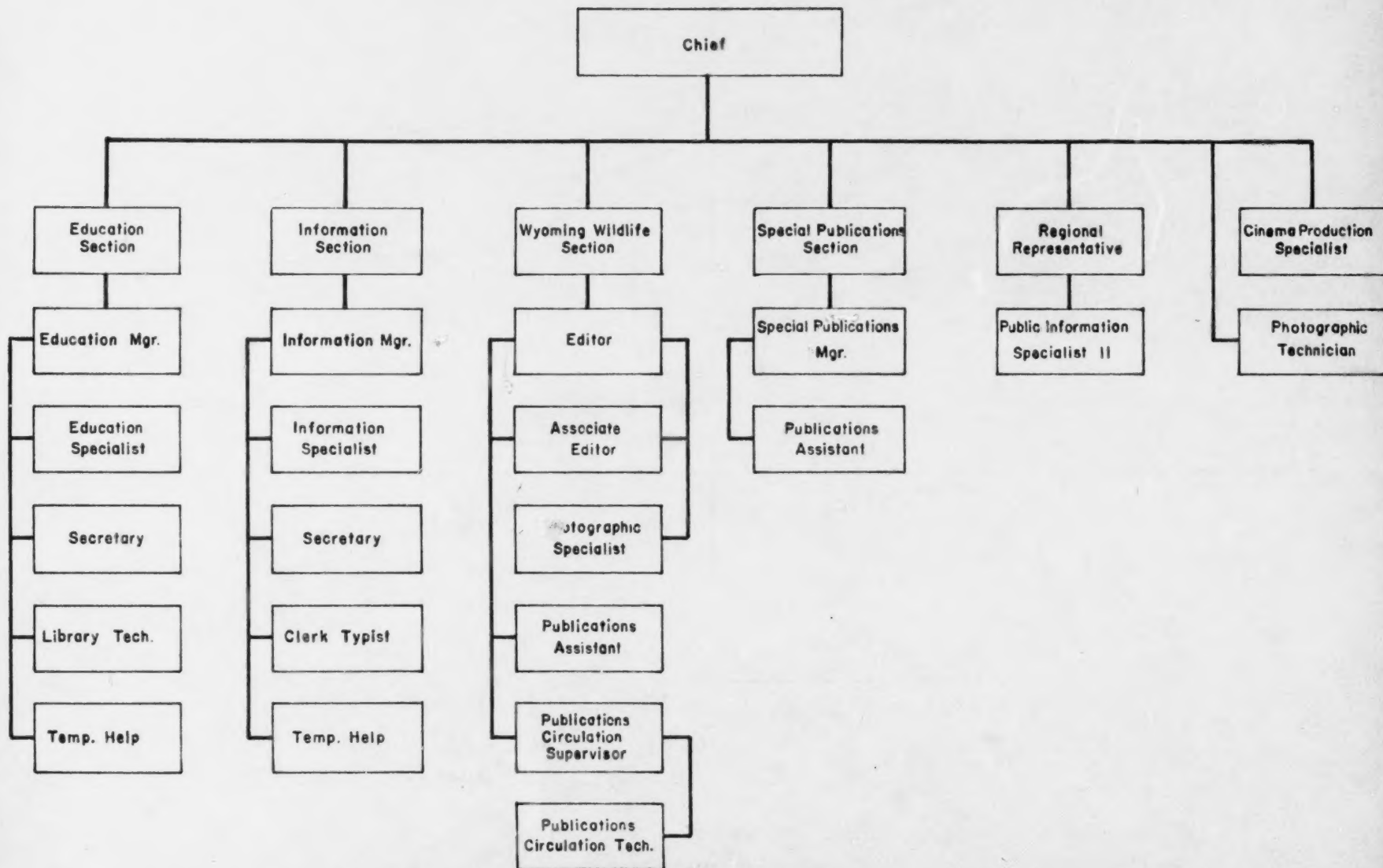
DISTRICT INFORMATION SPECIALIST: Don Miller, Sheridan.

SPECIAL PUBLICATIONS: Neal Blair, Judy Hosafros.

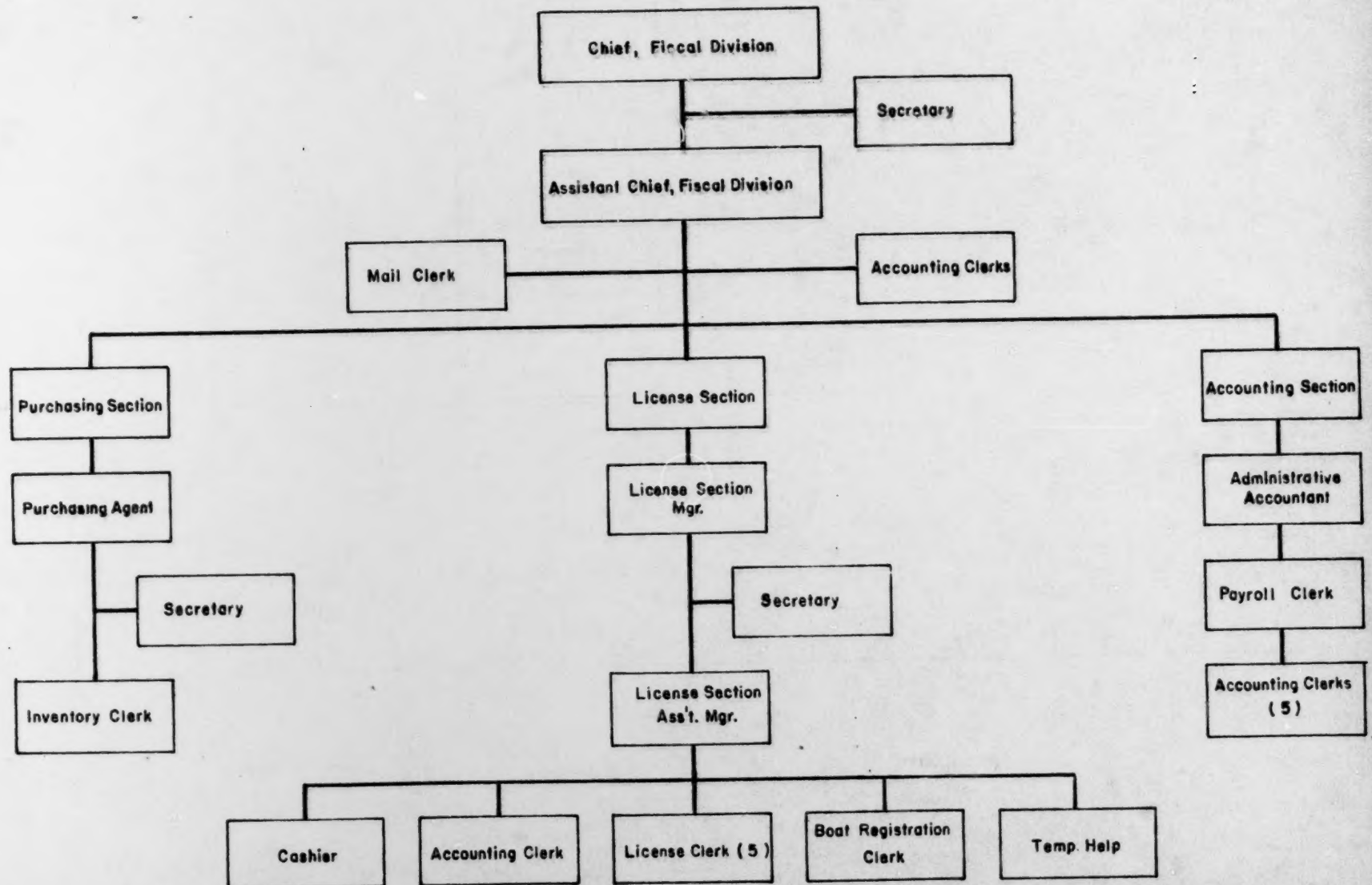
CINEMATOGRAPHER: Bob Toulouse.

PHOTO TECHNICIAN: Ruth Ferguson.

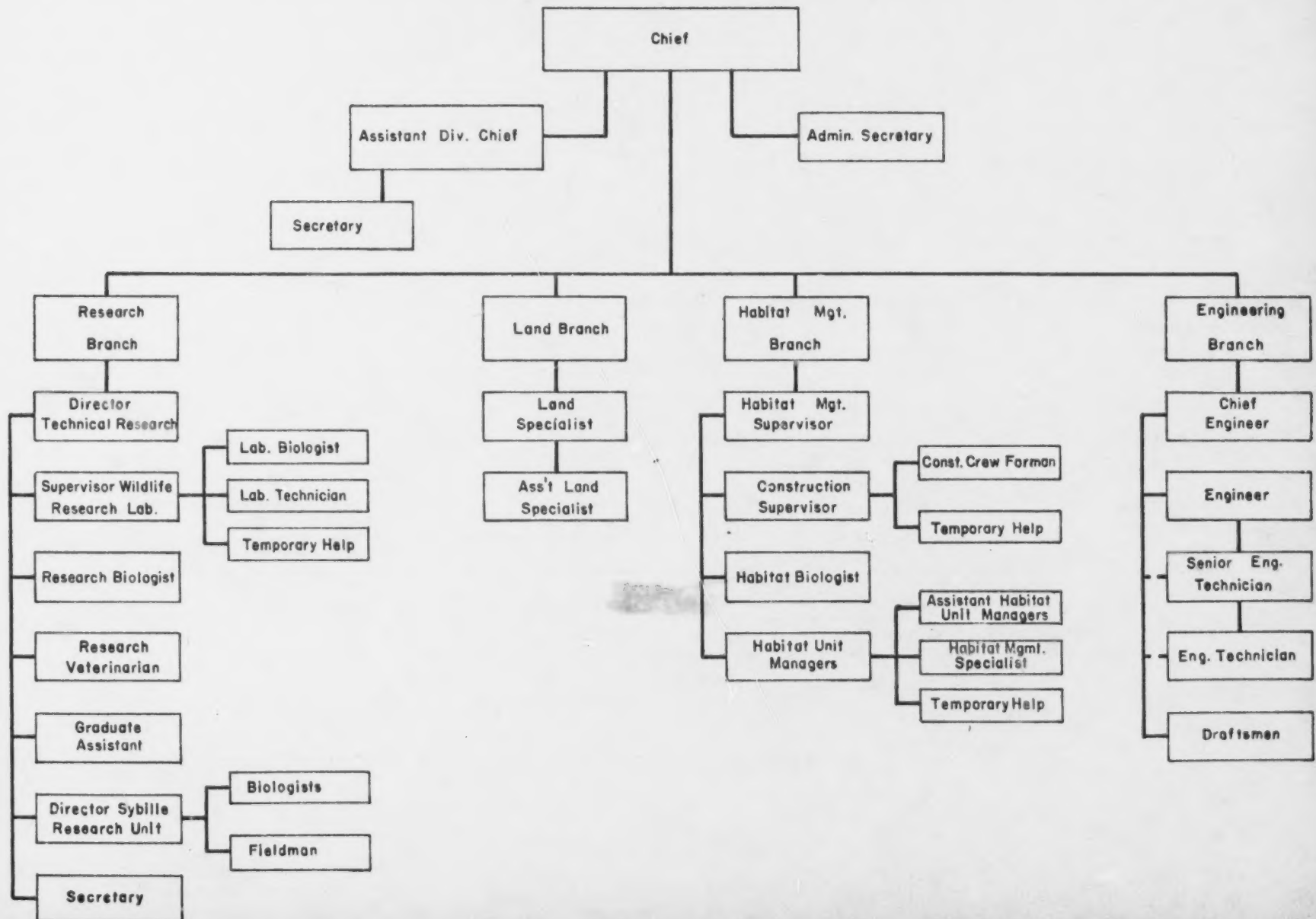
COMMUNICATIONS DIVISION



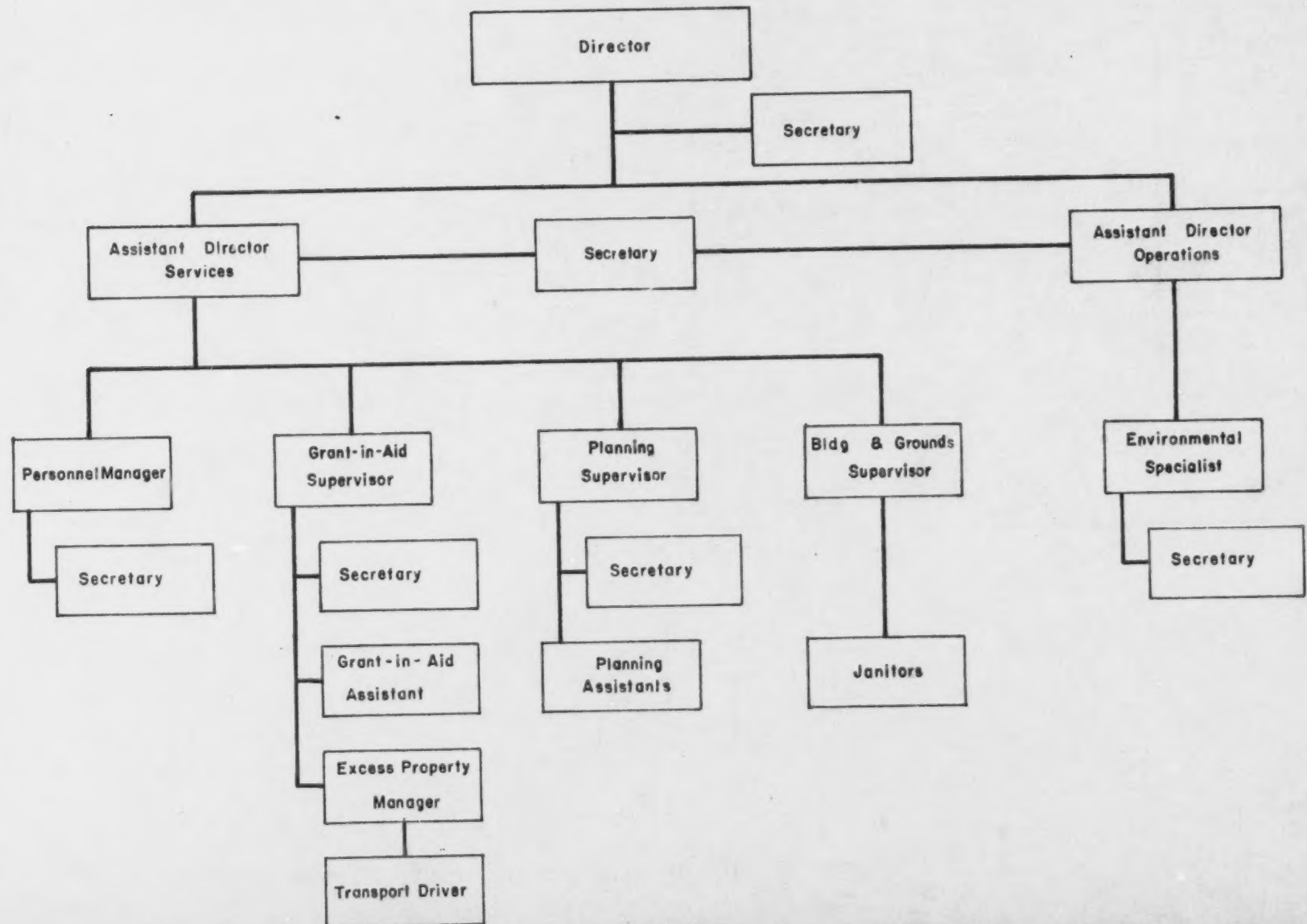
FISCAL DIVISION



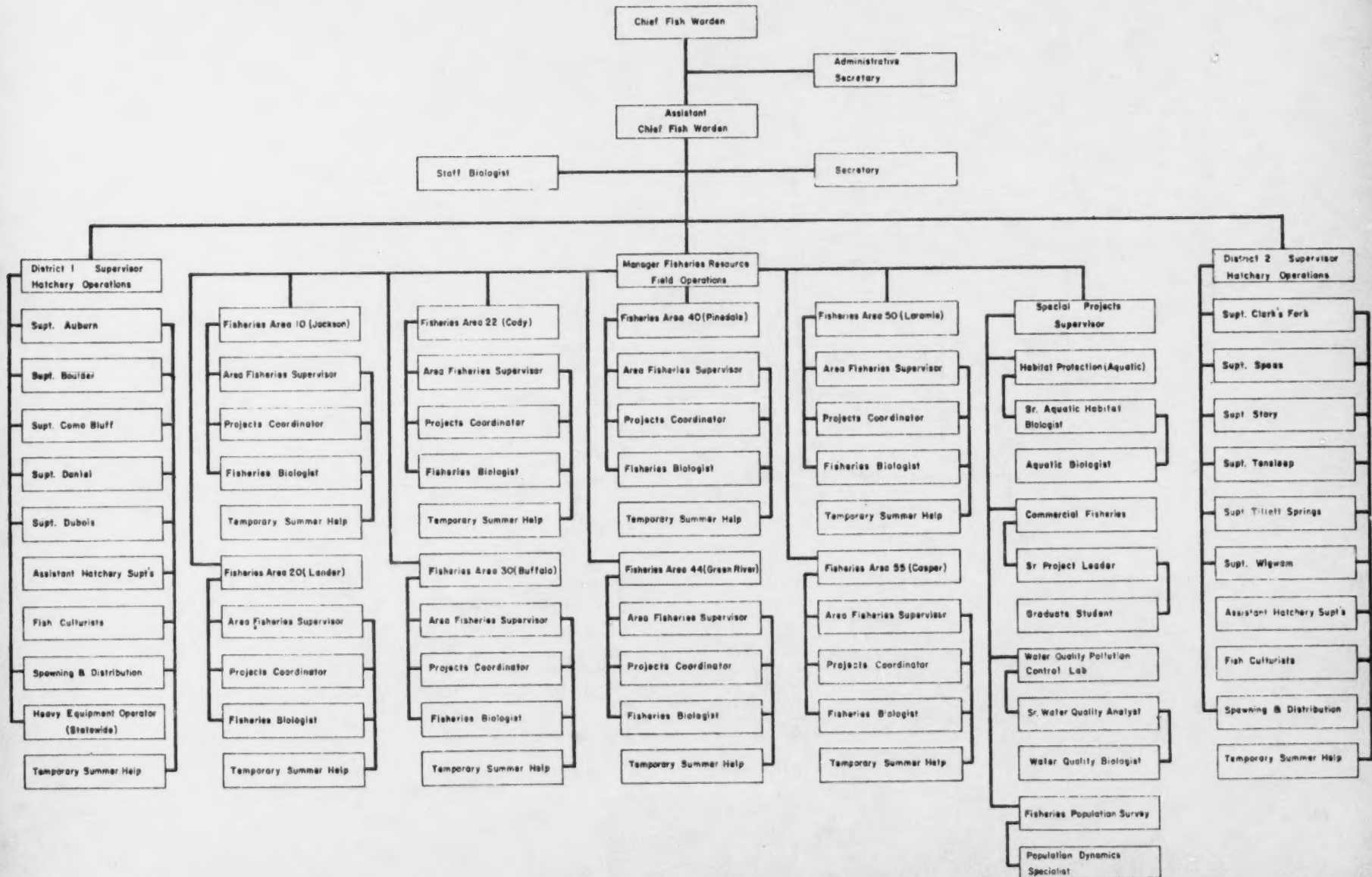
RESEARCH AND DEVELOPMENT DIVISION



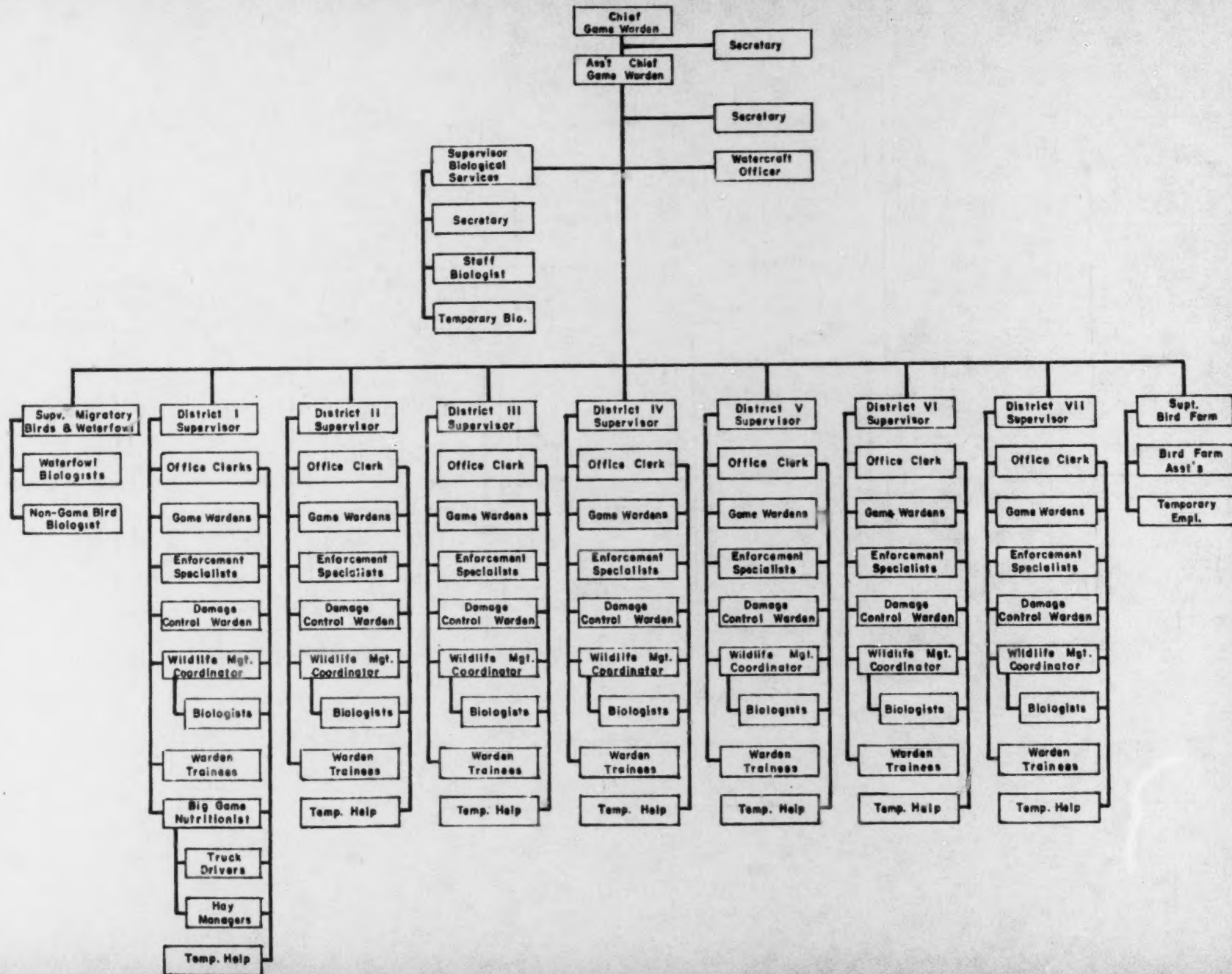
ADMINISTRATIVE SECTION



FISH DIVISION



GAME DIVISION



Director of Game & Fish

Ass't Director
Services

Ass't Director
Operations

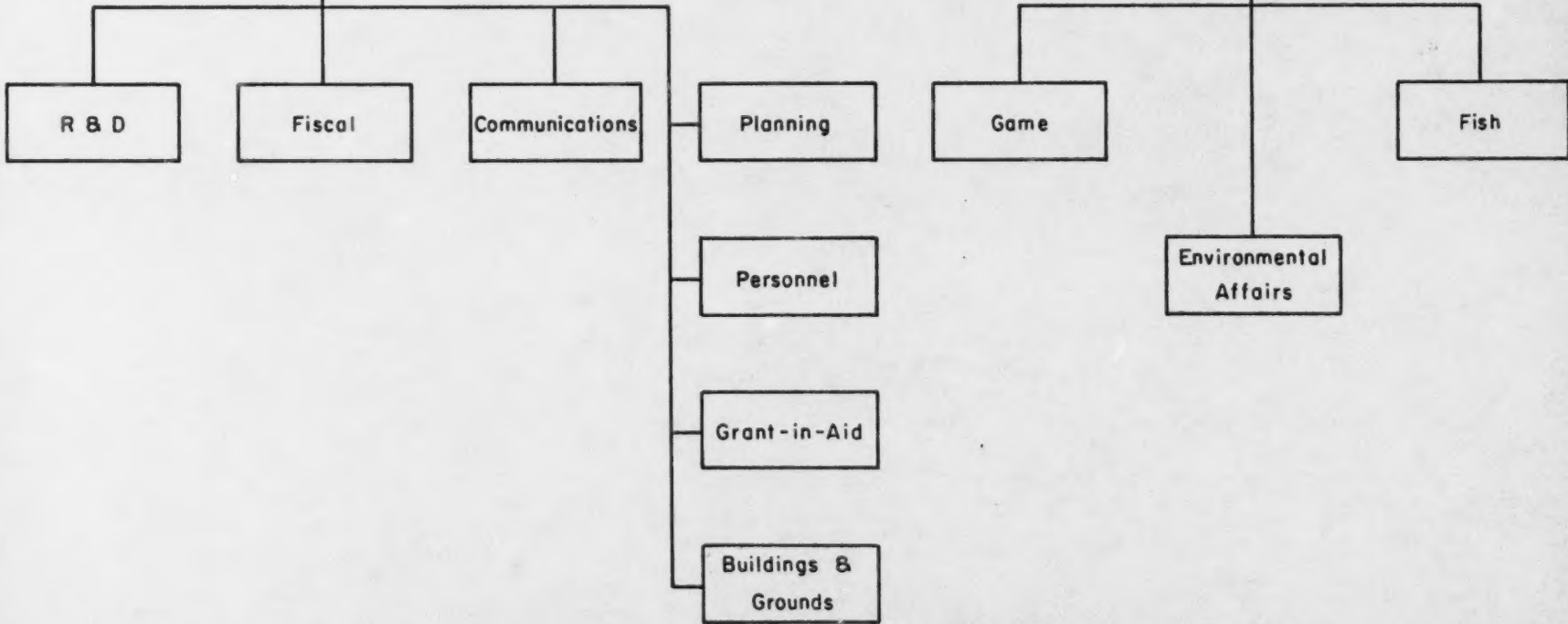


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INTRODUCTION AND DIVISION REPORTS

This report covers the progress and financial status of the Wyoming Game and Fish Department during fiscal year 1980. The information documents progress toward objectives as presented in our Strategic Plan for the Comprehensive Management of Wildlife in Wyoming, 1978-1983.

During F.Y. 1980, a total of 4,183,506 hunting and fishing recreation days were provided to the public. No data are available regarding days spent in such nonconsumptive endeavors as observation, photography, nature study, etc. Hunters and fishermen expended approximately \$137,018,983 in pursuit of their sport throughout the state. The Department received revenues totaling \$9,178,804.37 of which \$7,316,093.00 was from the sale of hunting and fishing licenses and tag fees. Expenditures totaled \$13,492,191.84.

The Department continues to experience the rapid changes, additional pressures on wildlife and unique wildlife management problems generated by exhaustive mineral and energy development across the state. Our rapidly increasing resident human population continues to be a very important influence on the future of Wyoming's wild resources, their management and use.

At the end of the period covered by this report, the Department was comprised of 317 permanent full-time employees and 106 temporary or seasonal workers. As our responsibilities, jurisdiction, and general workload grows, so must our personnel force if we are to continue those programs and services demanded of us.

The 1979 Wyoming Legislature enacted a new license fee schedule which went into effect January 1, 1980. New laws mandating the expenditure of these new revenues and inflation will be accommodated and the Department can expect financial solvency until approximately 1985.

A summary of Department activities by respective Division follows:

COMMUNICATIONS DIVISION DICK KEENEY, CHIEF

EDUCATION SECTION - The Wildlife Education Unit traveled to twenty-one (21) schools with over 1,500 students and teachers attending lecture tours in the Unit. The Education Unit also was in attendance at the annual Game Division meeting in Thermopolis and a Scout-O-Rama at Torrington.

Over 100 classroom and visitor center programs were presented by section personnel, including Conservation Week in the Casper Junior Highs. Several civic club programs, sportsman seminars, and a UW Range Club presentation were conducted. The section also participated in three teacher workshops.

Explanation of the new license system, participation on the State Safety Advisory Board, the University of Wyoming Encounters program, participation with

the State Wildlife Federation banquet, and serving as Science Fair Judges for Cheyenne School District No. 1, all took increasing time for section personnel.

The annual Youth Conservation Camps (two; 7-days each), were held on the Sybille Research Unit. Facilities on the unit were also utilized for the three-day Alta Vista Elementary School Camp.

The section also conducted several programs at two 4-H camps.

Two sessions for new employee orientation; secretary workshops; the UW Management Seminar; and two 3M Audio-Visual Method presentations and Transparency Workshops for Cheyenne personnel were also coordinated by the section.

HUNTER SAFETY - Required hunter safety has increased the demand for class programs and instructor workshops. Eighteen (18) workshops were conducted to certify new instructors. 9,226 students were certified during the past fiscal year.

Commission regulations affecting hunter safety were drafted and are now in effect, regulating certification of instructors and students.

Plans were made to add a Wildlife Management and Wyoming Game Law section to the student handbook. Curriculum development progressed toward more public school involvement with the hunter safety program.

In November, 1979, Steve Leggans was employed to serve as full-time Hunter Safety Coordinator.

Over thirty (30) firearms safety demonstrations were given. Other activities included Sight-In Days; attendance at the Western and National Coordinators' meetings; an air rifle booth at the State Fair; and a Shooting Sports-Hunter Safety Workshop conducted in Cheyenne.

MOTION PICTURE SECTION - The 26-minute film, "Wildlife and the Law", was completed and released in June, 1980. This motion picture was made with the assistance of the Game Division and photographed in virtually all sections of the state. It deals with the tasks performed by the Department's enforcement officers. Our production of one feature film each year is the direct result of two budget enhancement projects.

Free-loan prints are available at the Headquarters Office, and from all District Offices.

INFORMATION SECTION - The Communications Division's Information Section activities are divided into the following main categories:

A. News Releases - Releases are sent to 880 recipients. A total of 90 news releases were printed for Fiscal Year 1980. These releases have been used by newspapers, radio, television, and many are printed via the Associated Press and United Press International wires. We work closely with outdoor writers and many of our releases are used by them in the national outdoor sports magazines.

B. Radio - We produce two weekly radio programs. One is a three-minute "Wyoming Outdoorsman" and the other is a ten-minute "Game and Fish Report." We appear as a guest, or arrange for other Department personnel to appear as a guest, on radio programs. These are often the "call in variety" and we have had excellent response. We tape a weekly program with John Case of WBBM Radio, Chicago. This is a CBS affiliate station and is syndicated in 47 states.

C. Television - Our efforts in this "most important" media type are just now getting off the ground as a result of a budget enhancement project. We presently have the equipment to originate our own television spots. However, as yet, we have no full-time person to do this job.

We have produced about 25 spots. These "spots", as we call them, are usually short (30 to 60 seconds) and are generally aired ten or more times by each television station. We now have twelve stations on our list for spots. The airing of these spots is at no charge to the Department as they are public service announcements. Had we attempted to buy this time as an advertiser, the value would be in excess of \$100,000.

Our video tapes are sent to the following stations: KYCU Cheyenne; KOTA Rapid City; KCWY Casper; KTWO Casper; KTMW Thermopolis; KTUX Rock Springs; TKVX Salt Lake City; KUTV Salt Lake City; KUED Salt Lake City; KSL Salt Lake City; KID Idaho Falls; and KIFI Idaho Falls. Several Colorado stations have indicated interest in our spots and we will be contacting them shortly.

D. Television - National - The IAFWA (International Association of Fish and Wildlife Agencies) is supporting Glen Lau's two new television series. The "Sports Afield" television magazine and the "Coors Western Outdoorsman" are both on the air in our area. Both have used footage from this Department for their programs. So far this has been an excellent series. Thus far they have used a good bit of our past films for their series. The most notable from the Bighorn Sheep film.

E. Gaffer - Six Gaffers and an occasional special edition are printed yearly. We still need more input from the field. We appreciate all the support that has been received this past year.

F. Information - This section is charged with the responsibility of responding to application requests from nonresidents and residents. The bulk are nonresidents who are sent the big game packets. A new mailing system utilizing a computer has replaced the old hand sorting and hand mailing. The system works very well and has saved the Department a great deal of money. The section is also charged with preparing the following for printing: Outfitters List; Springer Regulations and Applications; Sandhill Crane Applications; and all Pocket Summaries.

G. Sinks Canyon Interpretive Site - This year the recommendations of this section for the site were turned over to the Recreation Commission for future construction.

H. Public Contact - Members of the section speak to sportsmen's clubs, churches and service clubs. This is an important function not only as it benefits these organizations, but also increases public understanding of the Department's efforts and goals.

I. Orientations - Two personnel orientations were participated in by this section. We attempt to prepare new employees for the contacts they will be making with the press. This includes their use, benefits and hazards.

J. Correspondence - Many hundreds of letters are received that require special attention. Some of these are from outdoor writers and these especially must be handled with care as what is written will be rewritten and appear in print for hundreds of thousands to read.

K. Special Projects - Many projects of other Divisions and Sections require the talents of this section. These include slide shows, multi-media slide shows, special tapes, video tapes and films to record a particular happening.

PHOTO LAB - The Photographic Technician handled approximately 3,250 items of photographic material in F.Y. 1980. A breakdown of this number included:

- Developing 150 rolls of black and white film
- Printing 720 black and white prints for Game and Fish reports; special publications; internal publications; the "Wyoming Wildlife" magazine; personnel service awards; contact sheets; general work orders; etc.
- Nearly 175 prints went out this year to external publications and individuals for reproduction and personal use
- Some 120 black and white photographs and transparencies were requested by authors and publishing companies
- The volume of black and white copy work amounted to 140 pieces and the Photographic Technician was responsible for duplicating 260 35mm slides and 2½ transparencies
- Nearly 75 prints were made in cooperation with Game Wardens for enforcement purposes to be used in court cases
- Dry mounting of photographs and certificates, matting and framing, amounted to about 60 pieces
- 1,540 black and white prints were made to accompany Department news releases

In 1980, a silver recovery program was begun in which a private firm makes payment on the recovered silver from used fixer. This money goes into the Game and Fish General Fund.

The current issue of the "Personnel Gaffer" was completed in August, 1979 and distributed to all employees. The "Personnel Gaffer" is a portrait directory of personnel.

PUBLICATIONS SECTION - Publications Section handles all bidding and contracting for printing jobs with the exception of WYOMING WILDLIFE magazine. This includes writing job specifications and working through DAFC Purchasing Division on bids and contracts. The section also handles all Game and Fish Department printing done by DAFC's Central Duplicating section.

The Publications Section does the designing and layout on the Department's major publications: a case in point being this year's fisheries research bulletins and research reports, and "Amphibians and Reptiles of Wyoming."

All saleable publications, inventory, sales and distribution is handled by Publications Section, again with the exception of WYOMING WILDLIFE.

REGIONAL REPRESENTATIVE - Activities of the Regional Representative were divided between education and public information. News releases, radio programs and television ideas were developed as needed. Regular weekly shows were aired on Sheridan, Buffalo and Gillette stations.

Elementary level programs utilized the "process" approach to learning and were aimed at a greater appreciation for wildlife in general. Junior high and high school programs were intense and specific looks at ecosystem management. An average of one night a week was spent giving various adult programs.

WYOMING WILDLIFE - WYOMING WILDLIFE was published monthly, including a special issue, pictorial edition, fishing and hunting issues in February, April, May and August respectively.

In the January issue a questionnaire was included to Wyoming resident subscribers, and comments regarding magazine subject matter were compiled for reference and use by the staff.

WYOMING WILDLIFE's total subscriptions are running about 44,000. With our newsstand sales, the magazine is reaching about 46,000 families. We had experienced a slow rate of growth until the July 1, 1977 rate increase. Since then our circulation declined and has remained in the area of 44,000 to 48,000 from a high of about 51,000 in 1976.

FISCAL DIVISION
GLENN A SHAFFER, CHIEF FISCAL OFFICER

The Fiscal Division serving as a service and staff function renders assistance to other Divisions of the Department and to the public. Primary responsibility is the proper collection, expenditure and accounting for revenue and associated assets.

The Department's beginning cash balance for F.Y. 80 was \$7,727,943. Revenues were \$9,178,804 down 14% from F.Y. 79. Expenditures were \$13,492,191 up 15% from F.Y. 79. Activities resulted in an ending cash balance of \$3,414,555.

Legislated changes and inflation have contributed to increased costs in F. Y. 80. The Forty-Fifth Session of the Wyoming Legislature passed bills affecting the Fiscal Division and overall Department revenues and expenses. Expenses

increased with higher pay and more employer paid benefits. Increased payouts for license selling agents and for landowners coupon payments will also affect expenses. Additional revenues are anticipated from increases in license and application fees. Part of the decreased revenue in F.Y. 80 is attributed to changes in drawing dates for deer licenses from April to July which is F.Y. 81.

A policy and procedure manual was written, printed and distributed to Department employees. This manual covers the use of vouchers, field purchase orders, requisitions and forms that are processed through this Division. It provides information to properly complete various documents reducing delays in payments to vendors. A monthly vehicle and equipment report was implemented for employees to submit vehicle miles driven, hours of equipment operation and type and quantity of fuel purchased, to enable the Department to determine monthly fuel needs in the event of rationing or allocation restrictions.

The State-hired C.P.A. firm of Deloitte, Haskins and Sells conducted an audit of all State agencies and this Division spent considerable time explaining Department operation, policies, procedures, record systems, etc. and making sample audits. According to the audit report, very little adverse comment was made concerning this Department.

FISH DIVISION
JOE WHITE, CHIEF

The impact of the rising state population is still a major concern of the Fish Division. The sale of resident licenses continues to climb and more pressure is being exerted on the resources. While the overall license sales were down slightly when the Tourist Five-Day License is included in 1979, the man days exerted on the resource were up, since the average resident fishes three to five times as long as the nonresident.

An indirect effect of the population "boom" is the increase in vandalism that is occurring on private and public property throughout the state. There has been a notable degrading in fishermen ethics with the major influx of new people. Much of the vandalism, admittedly, is probably not caused by fishermen, merely people utilizing the access areas, but two areas have been closed temporarily until better policing is possible. It is anticipated that more and more private land will become unavailable to fishermen in the state due to the squalid action of a few.

Once again an attempt was made to get legislation to protect instream flows and to protect the rivers and streams from channelization. Proposed instream flow legislation died and never came to the floor of either House. Senator Tom Stroock sponsored a stream channelization bill which passed the Senate but died in Agriculture Committee of the House.

Management activities were similar to past years with no major shift in emphasis. Grayrocks Reservoir was starting to fill and a heavy stocking program was initiated on this lake. It was hoped that trout, walleye and bass could become established in high enough numbers that enough predation could be exerted upon

rough fish so that the typical new reservoir boom could be delayed if not eliminated. However, the initial work of seining on the reservoir showed there was a rapid increase in carp. It is anticipated that next year the fishing on Grayrocks should be outstanding and will probably hold up for five or six years.

Continued spread of walleye was documented throughout the Platte system with walleye now being found in Pathfinder and Alcova. The special study on Seminole Reservoir is providing needed information on walleye-trout management by investigating when and what sizes and strains of trout to plant to minimize predation. Hopefully, a positive response will be seen in the near future. Fisherman harvest on the Platte system reservoirs ranges from excellent at Alcova to poor at Seminole.

Flaming Gorge Reservoir continued to produce large fish in excellent numbers but the normal family type fishery for trout declined. There was an increased problem with eutrophication in the upper end. Responses to the DEQ 208 Plan will, hopefully, alleviate some of the problems. Stocking brown trout in Flaming Gorge was increased to one million. A meeting with Utah was conducted to evaluate different sub-species of trout in hopes of finding one that could compete with the Utah chub and suckers that are so prevalent in the area. Extensive work with the purse seine found the kokaree population much higher than was anticipated. This is one species that will be utilized to a great extent in the future.

Introduction of forage fish continued to show good results in Keyhole Reservoir. The last plants of spottail shiners and gizzard shad were introduced this spring. Indications are that these forage species are reproducing and are being heavily utilized by the bass, walleye and northern. Fishing has shown a marked improvement.

There was a continuing favorable response to the spawning bed rehabilitation and eyed egg plants in the Snake River Drainage. The spawning runs in certain Snake River tributary streams are getting so numerous that unless more spawning habitat is created there will be competition among the fish for spawning areas and increased egg destruction.

Habitat improvement continued to be a major portion of the Fish Division's program throughout the past year. The bank stabilization project on the Salt River in cooperation with the SCS and the Star Valley Conservation District continued. This year we had an extremely high runoff and the bank or revetments were holding very well. Further work was done on Pass Creek and the Little Popo Agie to attempt to stabilize transitional areas.

A new program was initiated in the Big Horn Basin to evaluate stream flows using the incremental method developed by the Fish and Wildlife Service Instream Flow Group. A crew was sent to the field on a three year project to gain extensive information on many of the streams in the area. A program was initiated on Ocean Lake to evaluate the eutrophication and come up with remedial measures to restore the fisheries in the lake through habitat and drainage improvement.

A contract was signed with the Department of Environmental Quality and the EPA under the broad auspices of the Clean Lakes Program to evaluate waters throughout the State that were being affected by point and non-point source types of degradation. After the initial survey work is completed, two waters will be recommended for more detailed study and water quality restoration.

As in years past, workload on the evaluation of environmental impacts continued to increase. There, correspondingly, was an increase in environmental "disasters" throughout the state.

Wyoming experienced its first major oil spill in recent years when the Marathon Pipeline at Glenrock broke and spilled in excess of 8,000 barrels of crude oil into the Platte River. While no direct fish kill of any magnitude was noted, considerable time was spent monitoring the cleanup and checking the fisheries population. Furbearers and waterfowl fared much worse than the fish with large numbers succumbing to the contaminant. The response of the EPA and Coast Guard Strike teams was not sufficient to contain a spill of this magnitude in a short distance and the crude oil moved out as far as the upper end of Glendo Reservoir.

One sidelight of the rate of inflation and the increased price of gold was in an increase in activity of gold exploration and gold dredges being placed on the streams. This occurred primarily in the South Pass and Douglas Creek area. Notable stream degradation occurred in the Douglas Creek Drainage. Gold dredging activities were suspended and brought into compliance with state water quality regulations through the efforts of the Department of Environmental Quality and the Game and Fish Department.

Much time was spent on the evaluation of the Cheyenne Water Project and its anticipated effects on fisheries. Considerable work was accomplished on obtaining the necessary flows to support fish life in streams that would be affected by the project.

Increased effort was maintained in conjunction with the Bureau of Reclamation and State Engineer's Office to also see about getting continuous flows below Glendo Reservoir. It is felt that there may be enough slack in the operations of the reservoirs of the Platte River System at least to supply a maintenance flow to Guernsey Reservoir. No further effort was made on the river below Guernsey since it was felt there was not enough latitude in the North Platte Decree to get flows through this stretch of stream.

Production of the state fish hatcheries remained comparable to past years but a cold, late spring delayed planting approximately three weeks behind normal. In addition, several waters in the southeastern portion of the state winter killed and an increased demand was put on the hatcheries to bring fish back into these areas.

A spring water source was discovered in Flume Creek below Fontenelle Reservoir. This seemed to be ideal to use as a hatching facility and initial rearing area for fish going into the Green River Drainage. Hatchery troughs were placed in the spring and eggs were moved in. The eyeing rate was very high and an initial program was started to develop the area for future eyeing and stocking.

The hatchery system was especially hard hit by the rate of inflation. Eighteen cents was added to the average cost of each pound of fish produced. The main areas of a major production jump were mainly in utilities, transportation and the cost of fish food.

Major capital improvements were as follows:

Storage Shed at Buffalo
Head Trough and Hatchery Trough at Como
Pipeline at Dubois
House Addition at Tensleep

GAME DIVISION
REX CORSI, CHIEF

The continued and increasing activities of developing Wyoming's natural resources for our nation's energy needs often diminish habitat so very important for wildlife. The Division's activities were directed toward meeting these challenges against wildlife and successful strides have been made. As a result of our supplying information on wildlife distribution, abundance and needs, changes to accommodate wildlife have often been incorporated into development plans and have influenced the decisions of land managing agencies and resource development companies.

Illegal killing of wildlife has an adverse effect upon the recreation which might be enjoyed by people pursuing hunting, photography or sightseeing. The people of Wyoming are concerned about illegal killing of wildlife and during the past year they favorably responded by reporting violations and made possible the arrest and prosecution of several violators. Division enforcement personnel work closely with the public in their efforts to suppress and control illegal acts against wildlife. Arrests and fines in the state for the last ten years are shown in Table 1.

Table 1. Arrests, Fines, Dismissals - 10-Year Comparison

Year	Arrests	Fines	Not Guilty, Dismissed, or Fail to Appear
1971	1,897	\$ 78,474	64
1972	1,815	69,839	43
1973	1,853	97,360	66
1974	2,018	117,811	52
1975 (Jan.-June)	625	38,737	26
1976 (Fiscal Year)	2,367	137,012	55
1977 (Fiscal Year)	2,478	153,059	87
1978 (Fiscal Year)	2,646	168,314	46
1979 (Fiscal Year)	3,328	204,978	63
1980 (Fiscal Year)	2,761	215,238	112

Big game animals were trapped and transplanted to other localities in Wyoming and also furnished to other states. Bighorn sheep were trapped at Dubois and

transplanted as follows:

Morgan Creek, Carbon County	63
Stinking Springs, Teton County	14
Sheep Creek, Teton County	11
Middle Fk. Powder River, Johnson County	11
Lost River, Idaho	11

Antelope were trapped on the Glen Wadsworth Ranch at Lonetree, and 50 were furnished to the State of Arizona. Excessive damage to private property by antelope in that area prompted the trapping and removal.

Damage to private property by wildlife resulted in considerable personnel time and Department expenditure to alleviate problems and investigate damage claims. Wildlife are very dependent upon private lands and equitable solutions to having wildlife on private property are continually being sought. Some compensation to landowners is now received by way of trespass fees the landowner may assess a hunter, from damage claim payments when a landowner files a claim, and from deer and antelope coupons for animals killed upon the private lands. Beginning June 2 of 1980, as a result of a change in Wyoming statutes, the Department became liable for payment when trophy game animals damage or kill livestock. Trophy game animal includes bear and lion. A record of damage claims paid is shown in Table 2.

Table 2. Damage Claims Paid - 10-Year Comparison

Year	Amount Paid	Year	Amount Paid
1971	\$10,037	1976 (Fiscal Year)	\$ 47,851
1972	21,869	1977 (Fiscal Year)	23,958
1973	60,444	1978 (Fiscal Year)	36,683
1974	31,312	1979 (Fiscal Year)	60,719
1975 (Jan.-June)	20,458	1980 (Fiscal Year)	111,148

The Division received approval of several projects for wildlife which were done in addition to general yearly operations. Action on these projects is described below:

Furbearer Inventory - a questionnaire survey of fur trapper and fur dealers to determine fur harvest and furbearer distribution. Teeth were collected from bobcats taken and the age of harvest was determined.

Waterfowl Banding - a biologist was hired on a temporary basis to trap and band waterfowl for determining bird movements and mortality rates.

Upper Greys River Elk Feedground - an application was filed with the U.S. Forest Service to provide for a site to feed up to 750 elk in the vicinity of Forest Park on Greys River in Lincoln County. Temporary authorization was received to feed during the winter pending further analysis by the Forest Service.

Camp Creek and Soda Lake Hay Sheds - Two hay sheds were constructed at elk feedgrounds to protect hay from spoilage.

Meeteetse Check Station - a one-acre tract of land was purchased for the Meeteetse Check Station. Previously this land had been leased to accommodate the check station.

Gros Ventre Elk Study - this was the last year for an elk study to determine effects of logging upon elk distribution. A final report was compiled.

Goose Nesting Structures - this was the last year of a three-year project of installing above the ground structures for goose nesting in northeast Wyoming. Goose management procedures have increased the population in this area.

Winter Range Survey - six man months of temporary time were expended gathering shrub utilization data for both elk and deer, and recording herd locations on the west slope of the Bighorn mountains between Shell Canyon and Ten Sleep Canyon for the purpose of obtaining additional wildlife baseline data in conjunction with a proposed grazing environmental impact statement to be written by the Worland office of the BLM.

Wildlife Observation Form - the project for the implementation of the Wildlife Observation System continued in F.Y. 1980. The system was modified in several ways to improve its utility. Habitat codes were revised and made more detailed and new codes were added to allow the identification of specific data sets. The system of coding was also changed so that duplicate entries could be edited out through the use of computerized cross checks. There are approximately 80,000 individual observations presently stored in the system.

Simulation Modeling - approximately 140 herds have been modeled, and all models have been transcribed from computer cards to diskettes. The equipment purchased during the previous year now allows modeling to be done from the Game and Fish office with the use of a remote terminal. A schedule has been established for the annual update of all models.

Toll-Free Enforcement Number - a toll-free telephone line was installed in the Game Division to accept violation reports on a statewide basis. Seventy-two such reports were received during the first year. Ninety-one percent of calls received provided enough information to conduct an investigation. Twenty-eight percent of the investigations conducted resulted in the arrest of violators with a one-hundred percent conviction rate and fines totaling \$2,570.

Lure Crop Program - this was a joint effort between the Department and the U.S. Fish and Wildlife Service to initiate a lure crop program to prevent depredations to privately-owned crops by geese and sandhill cranes. The program was entirely funded by the U.S. Fish and Wildlife Service, except for the salaries and expenses of permanent Department personnel. The program was successful to a large degree, but also very expensive in relation to results obtained.

South Central Animal Density Survey - under this contract with the Bureau of Land Management, the Department collected density data on nongame mammals and birds by habitat type on prospective coal leases east and southwest of Rawlins and provided field assistance for district wildlife biologists in collecting data on game species. The U.S. Fish and Wildlife Service provided additional contract money to the Department for testing of passerine bird survey methods during studies in the south central contract.

Medicine Bow Wind Energy Project - this project, began in F.Y. 1978, continued in F.Y. 1980. Data on raptors, sage grouse, waterfowl, big game and nongame species were collected for use by Water and Power Resources Service in preparing an OIS on wind energy development near Medicine Bow and for the Department to use in evaluations. Antelope were trapped and radio tagged to determine movements and the value of antelope winter ranges on and near potential development sites.

Wildlife Habitat Evaluation of Coal Bearing Lands - the contract for ranking coal lands as to their importance for wildlife continued. The project was devoted to the development of a method for evaluating the importance of wetlands for waterfowl habitat.

Coal Evaluation--Department of Environmental Quality Agreement - the contract with DEQ for implementation of the coal program continued. Mapping work on all species of wildlife continued as in the previous year.

RESEARCH AND DEVELOPMENT DIVISION
CHESTER ANDERSON, CHIEF

Research - Publishing and applying results are two desirable inpoints of research. Four of seventeen studies culminated in definitive reports. These included work on bighorn sheep near Dubois, a survey of attitudes of hunters and landowners regarding deer damage in the Black Hills area, and studies of differences in deer blood and tissue to aid in identification and to estimate time of death. Major efforts were applied to manuscripts on a deer-coyote predation study in south central Wyoming and a treatise of diseases of wildlife in Wyoming. Extensive analysis began to measure and evaluate crop losses to deer and the factors contributing to losses in Crook County. Work continued to study reproductive diseases and nutrition of elk, effects of harvest on mule deer, influences of uranium mining and milling operations on wildlife, to inventory and describe parasites of fishes in the state, and the control and prevention of diseases in cultured and wild fish. In addition, contributions to management and enforcement were made by extensive laboratory analysis and forensic work.

The Sybille Wildlife Research Unit gave invaluable assistance to several of the above studies by obtaining and caring for confined animals. Twenty-four group tours of the research area provided information to over 400 people representing professional and student wildlife groups, 4-H and FFA members, recreation and conservation people, elementary and high school students, and senior citizens. The area also furnished recreation for nearly 300 deer hunters and numerous fishermen, campers, and sightseers.

Land Acquisition - The Cody District Office was sold at high bid according to State Statute to the City of Cody. The sale of this building was necessary because of a runway extension at the City Airport placing the office in a designated F.A.A. clear zone. A new office site, consisting of 5 acres was acquired from Park County.

Approximately 377 acres of riparian habitat was purchased on the North Platte River near Torrington. The purchase of these lands was the result of a Memorandum of Understanding with the Missouri Basin Power Project which provided for the mitigation of wildlife habitat lost through construction of Grayrocks Reservoir. The Department has contracted to buy an additional 77 acres and will consummate this purchase after surveys and abstract review. Additional land will be purchased under this Memorandum next year.

The North Gap Hay Storage Shed near Jackson and the Rock Springs Warden Station were sold at high bid according to State Statute. A replacement warden station was purchased at Rock Springs. The Meeteetse Check Station site which has been leased by the Department for 20 years was also purchased. The lease on the McNeel Feedground was renewed as was a boat launching area on the Green River near Daniel.

Habitat Management - Development, management and maintenance of 27 habitat management units owned or controlled by the Department was continued. The newly acquired Grayrocks Unit near Wheatland and the Rawhide Creek Unit near Lingle were placed under management by this Division during 1980 bringing the total to 29.

Habitat inventory work continued on the newly acquired Renner Unit. This data will be used to formulate a habitat management plan in 1981. Major fence maintenance and replacement work was conducted on the Medicine Lodge, Ed O. Taylor and Greys River Units and on the North Platte Fishing area near Saratoga.

Data was gathered to determine the effectiveness of management practices on habitat management units and to determine the forage produced in relation to the needs for wildlife. Management plans and inventories were routinely updated.

A detailed study of Riparian Habitat was completed by the Divisions Habitat Biologists.

Construction crews of the Division maintained public access areas throughout the state and performed stream improvement work on Beaver Creek, Popo Agie River, Pass Creek and the Thomas Fork Drainage.

Engineering - The major engineering project undertaken by the Division was the planning and initiation of construction of a new District Office Building at Cody. The building will be completed in late 1980.

Construction and maintenance contracts were completed for fencing on the Greys River, Medicine Bow and Ed O. Taylor Big Game Winter Ranges. Contracts for remodeling of a residence at the Tensleep Fish Hatchery and construction of a storage shed at Buffalo were also completed.

Numerous surveys, drafting and other activities incidental to the operation and maintenance of the Department were performed.

INDIVIDUAL MANAGEMENT PROGRAMS

PRONGHORN ANTELOPE

OBJECTIVES: THE 1983 OBJECTIVES FOR THE PROGRAM ARE TO PROVIDE AT LEAST 54,000 ANTELOPE FOR HARVEST AT A RATE OF 89 PERCENT SUCCESS AND 2.4 DAYS OF HUNTING PER ANIMAL TAKEN. THIS WILL PRODUCE 132,000 HUNTER RECREATION DAYS ANNUALLY.

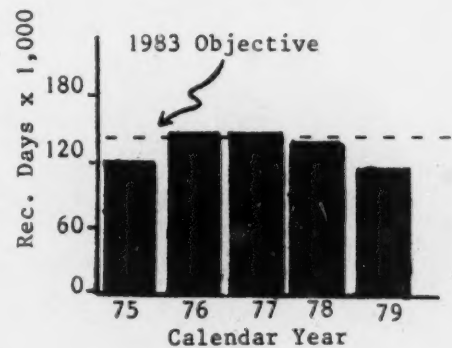
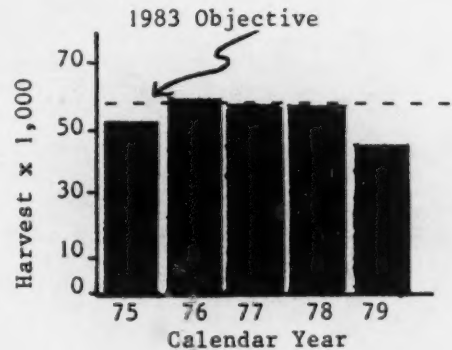
During 1979, 44,616 antelope were harvested at a hunter success rate of 84 percent. 420 animals were killed on the state's highways. The estimated 1979-80 post-harvest wintering population was 217,519.

An average of 2.38 days of hunting per animal harvested resulted in a total of 106,144 days afield hunting antelope. No data are available regarding days spent in such non-consumptive endeavors as observation, photography, nature study, etc.

Antelope hunters expended approximately \$109.46 per hunting day and the 106,144 days spent by hunters in pursuit of this species resulted in \$11,618,233 in expenditures throughout the state.

A total of 53,208 antelope licenses were sold during the 1979 season. Based upon statewide averages during the initial drawing, there was a demand rate of 1.62 applicants for each license available.

Sales of antelope licenses resulted in a total of \$1,371,826 in revenue to the Department. Costs of antelope management in Wyoming totaled \$1,233,167 for all activities, resulting in a net revenue of \$138,659 for the program. The total cost to the Department was \$27.64 and the return to the state's economy was \$260.41 for each antelope harvested.



Five-year trends in the pronghorn antelope program in the state of Wyoming.

Fiscal Year	Harvest	Rec. Days	Success	Days/Animal	Lic. Sold	Lic. Rev. (\$)	Mgmt. Costs	Hunter (\$) Expend.
FY 76	51,491	117,470	84%	2.28	61,123	1,921,521	---	5,798,319
FY 77	58,480	140,352	87%	2.40	67,188	2,165,405	1,002,006	11,925,709
FY 78	58,858	134,526	90%	2.30	66,173	2,149,902	990,081	14,267,727
FY 79	58,132	136,642	87%	2.35	66,461	1,983,571	1,280,290	14,425,807
FY 80	44,616	106,144	84%	2.38	53,208	1,371,826	1,233,167	11,618,233

ELK

OBJECTIVES: THE 1983 OBJECTIVES FOR THE PROGRAM ARE TO PROVIDE AT LEAST 19,321 ELK FOR HARVEST AT A RATE OF 29 PERCENT SUCCESS AND 14.6 DAYS OF HUNTING PER ANIMAL TAKEN. THIS WILL PRODUCE 282,296 HUNTER RECREATION DAYS ANNUALLY.

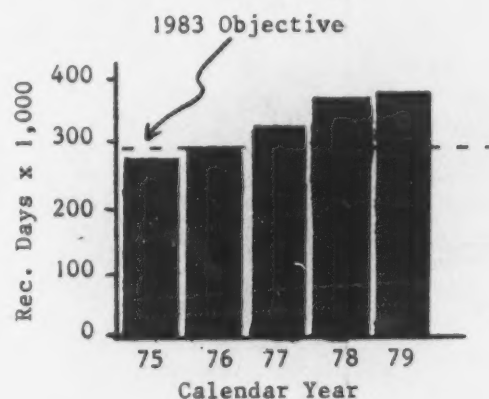
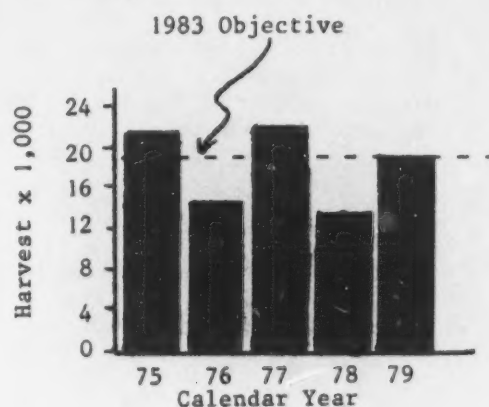
During 1979, 18,580 elk were harvested at a hunter success rate of 26.5 percent. Nine animals were killed on the state's highways. The estimated 1979-80 post-harvest wintering population was 64,727 animals.

An average of 19.6 days of hunting per animal harvested resulted in a total of 364,003 days afield hunting elk. No data are available regarding days spent in nonconsumptive endeavors as observation, photography, nature study, etc.

Elk hunters expended approximately \$45.75 per hunting day and the 364,003 days spent by hunters in pursuit of this species resulted in \$16,653,851 in expenditures throughout the state.

A total of 70,102 elk licenses were sold during the 1979 season. Based upon total applicants, the nonresident demand rate was 4.42 applicants for each license available. The resident demand rate for special permits was 1.77 applicants for each permit available.

Sale of elk licenses resulted in a total of \$1,702,620 in revenue to the Department. Cost of elk management in Wyoming totaled \$2,449,666 for all activities, resulting in a net cost of \$747,046 for the program. The total cost to the Department was \$131.84 and the return to the state's economy was \$896.33 for each elk harvested.



Five-year trends in the elk program in the state of Wyoming.

Fiscal Year	Harvest	Rec. Days	Success	Days/Animal	Lic. Sold	Lic. Rev. (\$)	Mgmt. Costs	Hunter (\$) Expend.
FY 76	20,970	279,171	38.6	13.3	54,276	1,456,800	---	10,446,465
FY 77	14,705	294,225	24.6	20.0	59,713	1,544,785	1,636,452	11,236,562
FY 78	21,784	317,021	35.5	14.6	61,329	1,571,685	1,833,758	13,761,336
FY 79	13,507	358,685	19.9	26.6	68,004	1,672,150	2,263,280	14,951,525
FY 80	18,580	364,003	26.5	19.6	70,102	1,702,620	2,449,666	16,653,851

DEER

OBJECTIVES: THE 1983 OBJECTIVES FOR THE PROGRAM ARE TO PROVIDE AT LEAST 92,590 DEER FOR HARVEST AT A RATE OF 53 PERCENT SUCCESS AND 5.8 DAYS OF HUNTING PER ANIMAL TAKEN. THIS WILL PRODUCE 531,020 HUNTER RECREATION DAYS ANNUALLY.

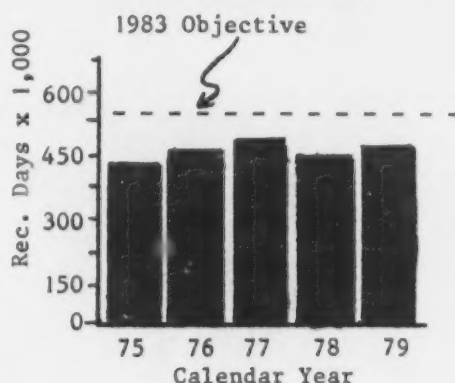
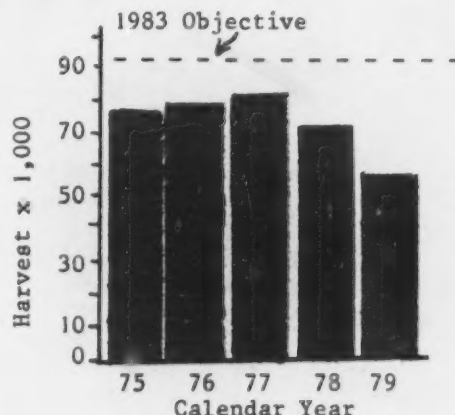
During 1979, 61,243 deer were harvested at a hunter success rate of 53 percent. 494 animals were killed on the state's highways. The estimated 1979-80 post-harvest wintering population was 365,704 animals.

An average of 6.0 days of hunting per animal harvested resulted in a total of 369,060 days afield hunting deer. No data are available regarding days spent in such nonconsumptive endeavors as observation, photography, nature study, etc.

Deer hunters expended approximately \$63.56 per hunting day and the 369,060 days spent by hunters in pursuit of this species resulted in approximately \$23,459,227 in expenditures throughout the state.

A total of 116,212 deer licenses were sold during the 1979 season. Based upon statewide averages during the initial drawing, there was a demand rate of 1.89 applicants for each nonresident license available.

Sales of deer licenses resulted in a total of \$2,538,107 in revenue to the Department. Costs of deer management in Wyoming totaled \$1,503,069 for all activities, resulting a net revenue of \$1,035,038 for the program. The total cost to the Department was \$24.54, and the return to the state's economy was \$383.05 for each deer harvested.



Five-year trends in the deer program in the state of Wyoming.

Fiscal Year	Harvest	Rec. Days	Success	Days/Animal	Lic. Sold	Lic. Rev. (\$)	Mgmt. Costs	Hunter (\$) Expend.
FY 76	75,429	347,132	71%	4.6	106,676	2,964,539	---	18,120,242
FY 77	75,942	390,737	67%	5.1	113,410	3,144,423	1,426,764	20,118,698
FY 78	79,687	390,466	72%	4.9	110,388	2,754,264	1,595,285	22,422,723
FY 79	67,401	335,449	58%	5.0	115,905	2,620,920	1,769,312	21,603,428
FY 80	61,243	369,060	53%	6.0	116,212	2,538,107	1,503,069	23,459,227

MOOSE

OBJECTIVES: THE 1983 OBJECTIVES FOR THE PROGRAM ARE TO PROVIDE AT LEAST 1,659 MOOSE FOR HARVEST AT A RATE OF 83 PERCENT SUCCESS AND 5.4 DAYS OF HUNTING PER ANIMAL TAKEN. THIS WILL PRODUCE 8,949 HUNTER RECREATION DAYS ANNUALLY.

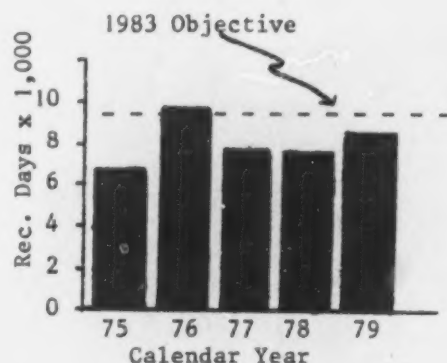
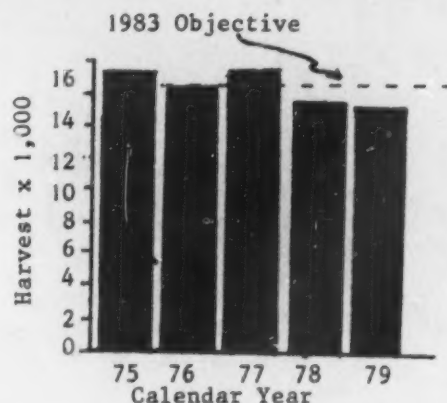
During 1979, 1,448 moose were harvested at a hunter success rate of 83 percent. Eight animals were killed on the state's highways. The estimated 1979-80 post-harvest wintering population was 7,386 animals.

An average of 5.4 days of hunting per animal harvested resulted in a total of 7,750 days afield hunting moose. No data are available regarding days spent in such nonconsumptive endeavors as observation, photography, nature study, etc.

Moose hunters expended approximately \$71.95 per hunting day and the 7,750 days spent by hunters in pursuit of this species resulted in \$557,625 in expenditures throughout the state.

A total of 1,740 moose licenses were sold during the 1979 season. Based upon statewide averages during the initial drawing, there was a demand rate of 16 applicants for each license available.

Sales of moose licenses resulted in a total of \$78,100 in revenue to the Department. Costs of moose management in Wyoming totaled \$212,847 for all activities, resulting in a net cost of \$134,747 for the program. The total cost to the Department was \$146.99 and the return to the state's economy was \$385.10 for each moose harvested.



Five-year trends in the moose program in the state of Wyoming.

Fiscal Year	Harvest	Rec. Days	Success	Days/Animal	Lic. Sold	Lic. Rev. (\$)	Mgmt. Costs	Hunter (\$) Expend.
FY 76	1,688	6,414	89%	3.8	1,897	85,125	---	383,621
FY 77	1,643	9,397	78%	5.6	2,094	94,250	73,071	453,828
FY 78	1,697	7,480	90%	4.4	1,894	85,150	87,403	520,711
FY 79	1,503	7,328	84%	4.9	1,789	80,425	112,555	521,709
FY 80	1,448	7,750	83%	5.4	1,740	78,100	212,847	557,625

BIGHORN SHEEP

OBJECTIVES: THE 1983 OBJECTIVES FOR THE PROGRAM ARE TO PROVIDE AT LEAST 242 BIGHORN SHEEP FOR HARVEST AT A RATE OF 41 PERCENT SUCCESS AND 17.1 DAYS OF HUNTING PER ANIMAL TAKEN. THIS WILL PRODUCE 4,134 HUNTER RECREATION DAYS ANNUALLY.

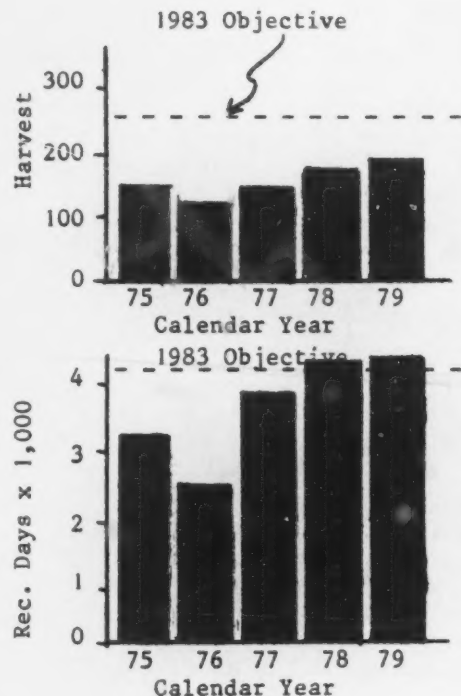
During 1979, 167 Bighorn sheep were harvested at a hunter success rate of 43 percent. The estimated 1979-80 post-harvest winter population was 3,807 animals.

An average of 24.6 days of hunting per animal harvested resulted in a total of 4,105 days afield hunting bighorn sheep. No data are available regarding days spent in such nonconsumptive endeavors as observation, photography, nature study, etc.

Bighorn sheep hunters expended approximately 61.84 per hunting day and the 4,105 days spent by hunters in pursuit of this species resulted in \$253,836 in expenditures throughout the state.

A total of 387 Bighorn sheep licenses were sold during the 1979 season. Based upon statewide averages during the initial drawing, there was a demand rate of 15 applicants for each license available.

Sales of Bighorn sheep licenses resulted in a total of \$23,370 in revenue to the Department. Costs of Bighorn sheep management in Wyoming totaled \$309,963 for all activities, resulting in a net cost of \$286,593 for the program. The total cost to the Department was \$1,856.07 and the return to the state's economy was \$1,519.98 for each Bighorn sheep harvested.



Five-year trends in the Bighorn sheep program in the state of Wyoming.

Fiscal Year	Harvest	Rec. Days	Success	Days/Animal	Lic. Sold	Lic. Rev. (\$)	Mgmt. Costs	Hunter (\$) Expend.
FY 76	150	3,367	42%	22.4	361	21,750	---	160,091
FY 77	125	2,663	33%	21.3	381	22,830	357,348	176,713
FY 78	147	3,956	38%	26.9	389	23,550	181,252	218,220
FY 79	161	4,004	42%	24.9	383	23,250	303,878	229,809
FY 80	167	4,105	43%	24.6	387	23,370	309,963	253,836

ROCKY MOUNTAIN GOAT

OBJECTIVES: THE 1983 OBJECTIVES FOR THE PROGRAM ARE TO PROVIDE AT LEAST 5 ROCKY MOUNTAIN GOATS FOR HARVEST AT A RATE OF 50 PERCENT SUCCESS AND 15 DAYS OF HUNTING PER ANIMAL TAKEN. THIS WILL PRODUCE 75 HUNTER RECREATION DAYS ANNUALLY.

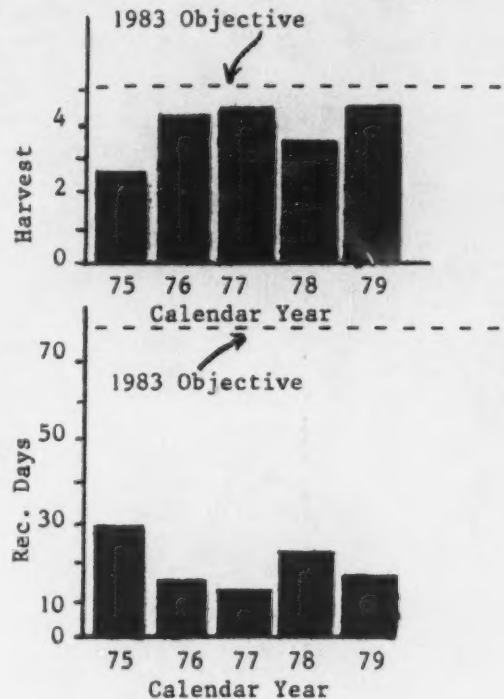
During 1979, 4 mountain goats were harvested at a hunter success rate of 100 percent. The 1979-80 post-harvest wintering population is presently unknown.

An average of 3.25 days of hunting per animal harvested resulted in a total of 13 days afield hunting mountain goats. No data are available regarding days spent in such nonconsumptive endeavors as observation, photography, nature study, etc.

If mountain goat hunters expended approximately the same per hunting day as sheep hunters (\$61.84), the 13 days spent by hunters in pursuit of this species resulted in approximately \$804.00 in expenditures throughout the state.

A total of 4 mountain goat licenses were sold during the 1979 season. Based upon statewide averages during the initial drawing, there was a demand rate of 150 applicants for each license available.

Sales of mountain goat licenses resulted in a total of \$240.00 in revenue to the Department. Costs of mountain goat management in Wyoming totaled \$21,090 for all activities, resulting in a net cost of \$20,850 for the program. The total cost to the Department was \$5,272.50 and the return to the state's economy is \$201.00 for each mountain goat harvested.



Five-year trends in the Rocky Mountain Goat program in the state of Wyoming.

Fiscal Year	Harvest	Rec. Days	Success	Days Animal	Lic. Sold	Lic. Rev. (\$)	Mgmt. Costs	Hunter (\$) Expend.
FY 76	2	27	50%	13.5	4	240	--	--
FY 77	4	11	100%	2.8	4	240	12,159	730*
FY 78	4	10	100%	2.5	4	240	17,605	551*
FY 79	3	20	75%	6.7	4	240	22,559	1148*
FY 80	4	13	100%	3.25	4	240	21,090	804*

*No data exist on which to base these assumptions and hunter expenditures totals are not included in tables 2 in Appendix III.

BLACK BEAR

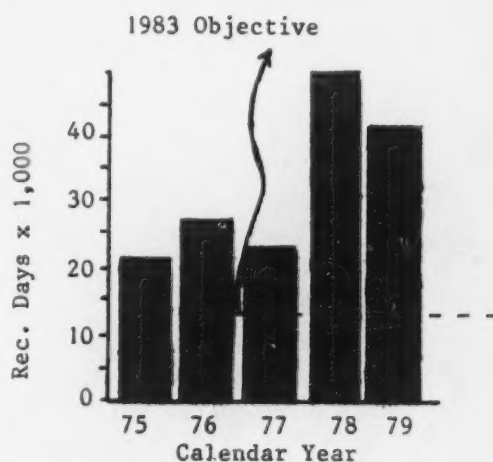
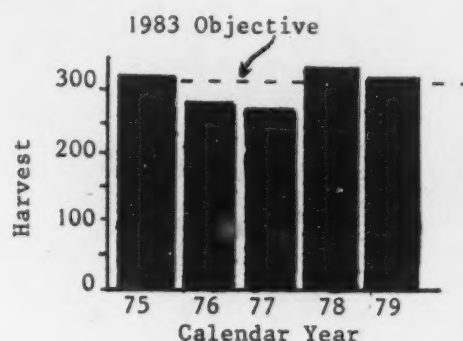
OBJECTIVES: THE 1983 OBJECTIVES FOR THE PROGRAM ARE TO PROVIDE AT LEAST 300 BLACK BEAR FOR HARVEST AT A RATE OF 10 PERCENT SUCCESS AND 40 DAYS OF HUNTING PER ANIMAL TAKEN. THIS WILL PRODUCE 12,000 HUNTER RECREATION DAYS ANNUALLY.

During 1979, 311 black bear were harvested of which 125 were harvested during the spring season and 186 during the fall season. The estimated 1979-80 post-harvest wintering population was 2,250 animals.

An average of 135.1 days of hunting per animal harvested resulted in a total of 42,031 days afield hunting black bear. No data are available regarding days spent in such nonconsumptive endeavors as observations, photography, nature study, etc.

The 941 nonresident black bear hunters spent approximately \$1,058.67 per individual in pursuit of this species. This resulted in approximately \$996,209 in expenditures in the state. Total resident expenditures are not known. A total of 1,331* black bear licenses were sold during the 1979 season.

*Sales of black bear licenses resulted in a total of \$38,830 in revenue to the Department. Costs of black bear management per se in Wyoming cannot be determined. Management costs for all bear, including grizzly, were \$138,377. The return to the state's economy was at least \$3,203 for each black bear harvested.



Five-year trends in the black bear program in the state of Wyoming.

Fiscal Year	Harvest	Rec. Days	Success	Days/Animal	*Lic. Sold	Lic. Rev. (\$)	Mgmt. Costs	Hunter (\$) Expend.
FY 76	312	20,582	---	66.0	645	18,600	---	334,517
FY 77	293	27,772	---	94.8	781	22,330	85,012+	432,042**
FY 78	268	20,741	---	77.4	1,055	30,525	95,164+	635,831**
FY 79	342	48,183	---	140.9	1,245	36,475	110,833+	838,269**
FY 80	311	42,031	---	135.1	1,331	38,830	138,377+	996,209**

* Sale of bear licenses only. Does not include individuals possessing resident elk licenses which allow these individuals to take black bear also.

** Nonresident bear hunters only.

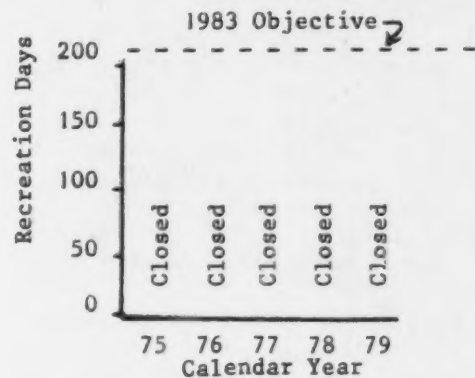
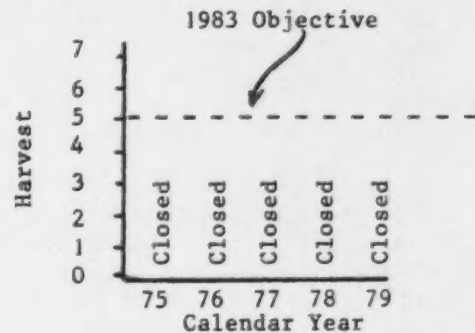
+ Includes grizzly bear management.

GRIZZLY BEAR

OBJECTIVES: THE 1983 OBJECTIVES FOR THE PROGRAM ARE TO PROVIDE AT LEAST 5 GRIZZLY BEAR FOR HARVEST AT A RATE OF 25 PERCENT SUCCESS AND 40 DAYS OF HUNTING PER ANIMAL TAKEN. THIS WILL PRODUCE 200 HUNTER RECREATION DAYS ANNUALLY.

At present, the species is classified as threatened and there is a moratorium on hunting. The estimated 1979-1980 wintering population, exclusive of the Yellowstone National Park population, was 90 grizzly bear. At present, no data are available regarding the number of days spent in nonconsumptive endeavors of observation, photography, nature study, etc. that are directed at this species.

Management costs for all bear species (black and grizzly) totaled \$138,377.



Five-year trends in the grizzly bear program in the state of Wyoming.

Fiscal Year	Harvest	Rec. Days	Success	Days/Animal	Lic. Sold	Lic. Rev. (\$)	Mgmt. Costs	Hunter (\$) Expend.
FY 76	--	--	--	--	--	--	--	--
FY 77	--	--	--	--	--	--	85,012*	--
FY 78	--	--	--	--	--	--	95,164*	--
FY 79	--	--	--	--	--	--	110,833*	--
FY 80	--	--	--	--	--	--	138,377*	--

*Management costs include both black and grizzly bear.

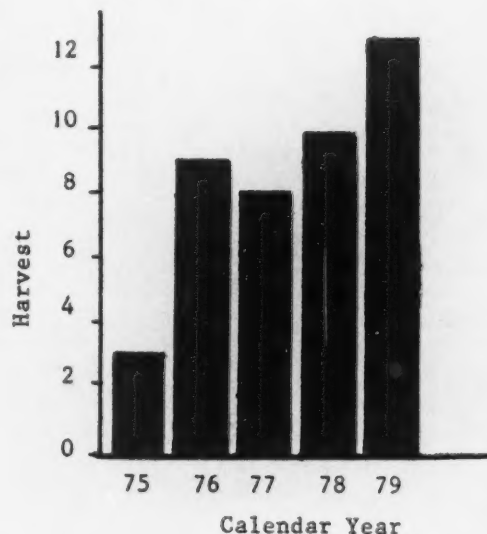
MOUNTAIN LION

OBJECTIVE: THE 1983 OBJECTIVE FOR THIS PROGRAM IS TO ESTIMATE THE NUMBER OF MOUNTAIN LION IN THE STATE AND DETERMINE THE EFFECTS OF HARVEST.

During 1979, 13 mountain lion were harvested at a hunter success rate of 14 percent. The population density of this species in Wyoming is unknown at present.

No data are available regarding recreation days furnished by this species, nor are data available regarding days spent on such nonconsumptive endeavors as observation, photography, nature study, etc.

A total of 90 mountain lion licenses were sold during the 1979 season. Sales of licenses resulted in a total of \$1,880 in revenue to the Department. Costs of lion management in Wyoming totaled \$73,603 for all activities, resulting in a net cost of \$71,723 for the program. The total cost to the Department was \$5,661.77 for each lion harvested.



Five-year trends in the mountain lion program in the state of Wyoming.

Fiscal Year	Harvest	Rec. Days	Success	Days/Animal	Lic. Sold	Lic. Rev. (\$)	Mgmt. Costs	Hunter (\$) Expend.
FY 76	3	--	16%	--	19	460	--	--
FY 77	9	--	25%	--	36	1,040	2,845	--
FY 78	8	--	18%	--	44	960	1,008	--
FY 79	10	--	16%	--	64	1,440	8,559	--
FY 80	13	--	14%	--	90	1,880	73,603	--

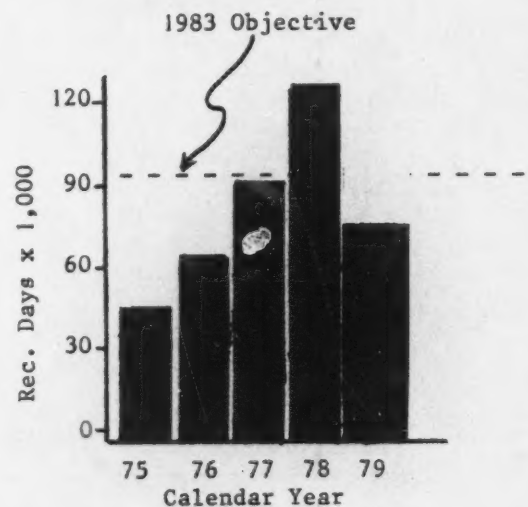
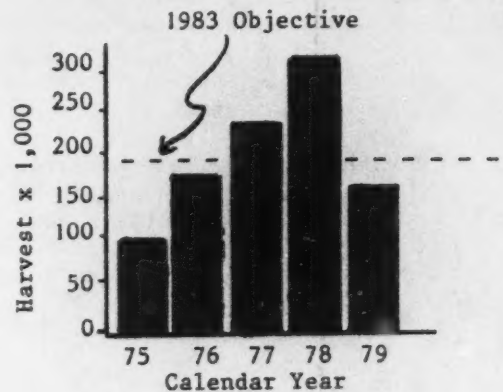
SMALL GAME MAMMALS

OBJECTIVES: THE 1983 OBJECTIVES FOR THE PROGRAM ARE TO PROVIDE AT LEAST 169,480 COTTONTAILS, 4,298 SQUIRRELS AND 2,856 SNOWSHOE HARES FOR HARVEST AT A RATE OF 2.0, 1.5 AND 1.0 ANIMALS PER DAY, RESPECTIVELY. THIS WILL PRODUCE ANNUALLY 84,740, 2,865 AND 2,856 HUNTER RECREATION DAYS, RESPECTIVELY.

During 1979, 151,926 cottontails, 4,458 snowshoe hares and 7,041 squirrels were harvested at a rate of 9.4, 3.6 and 6.8 animals, respectively per hunter. The average number of animals harvested per day was 2.2, 0.8 and 2.0, respectively. This resulted in a total of 79,553 hunter recreation days of which 70,398 were for cottontail, 5,682 for snowshoe hare and 3,473 for squirrels. No data are available regarding days spent in such nonconsumptive endeavors as observation, photography, nature study, etc.

Small game hunters expended approximately \$36.18 per hunting day and the 84,165 days spent by hunters in pursuit of these species resulted in \$3,044,713 in expenditures throughout the state.

A total of 19,780 small game licenses were sold during the 1979 season. Sales of small game licenses resulted in a total of \$79,311 in revenue to the Department. Costs of small game management in Wyoming totaled \$20,595 for all activities, resulting in a net revenue of \$58,716 for the program. The total cost to the Department was 13¢ and the return to the state's economy was \$18.63 for each small game animal harvested.



Five-year trends in the small game mammals program in the state of Wyoming.

Fiscal Year	Harvest	Rec. Days	Animals/ Hunter	Animals/ Per Day	No. of Hunters	Lic. (\$) Revenue	Mgmt. Costs	Hunter (\$) Expend.
FY 76	112,852	47,018	8.9	2.4	12,622	49,864	---	1,380,040
FY 77	180,297	68,095	11.2	2.6	16,156	65,289	9,388	1,887,913
FY 78	253,970	90,686	12.0	2.8	21,226	84,377	16,529	2,686,298
FY 79	332,196	122,561	11.7	2.7	28,484	104,670	16,660	3,602,236
FY 80	163,425	79,553	8.8	2.1	18,517	79,311	20,595	3,044,713

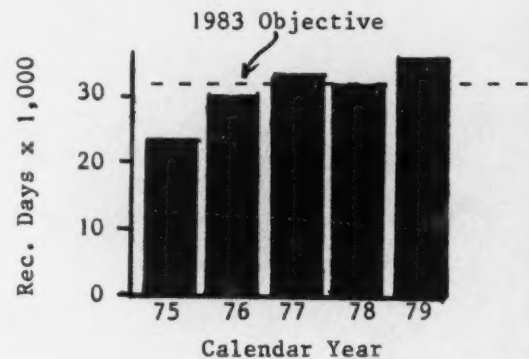
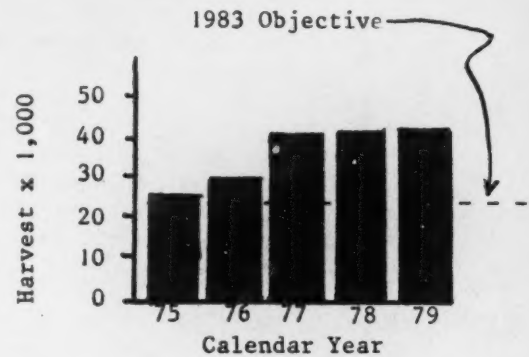
PHEASANTS

OBJECTIVES: THE 1983 OBJECTIVES FOR THE PROGRAM ARE TO PROVIDE AT LEAST 22,428 PHEASANTS FOR HARVEST AT A RATE OF 1.8 BIRDS PER LICENSE HOLDER AND .7 BIRDS PER DAY OF HUNTING. THIS WILL PRODUCE 32,040 HUNTER RECREATION DAYS ANNUALLY.

During 1979, 38,017 pheasants were harvested at a rate of 3.4 birds per hunter. An average of 1.1 birds harvested per day of hunting resulted in a total of 34,021 days of pheasant hunting recreation. No data are available regarding days spent in such nonconsumptive endeavors as observation, photography, nature study, etc.

Bird hunters expended approximately \$26.52 per hunting day, and the 34,021 days spent by hunters in pursuit of pheasants resulted in \$903,113 in expenditures throughout the state.

A total of 11,296 hunters pursued this species during the 1979 season. License sales attributable to this species resulted in \$52,120 in revenue to the Department. Costs of pheasant management in Wyoming totaled \$315,749 for all activities, resulting in a net cost of \$263,629 for the programs. The total cost to the Department was \$8.31 and the return to the state's economy was \$24.86 for each pheasant harvested. In 1979, 17,785 pheasants were raised and released from the Department's bird hatcheries.



Five-year trends in the pheasant program in the state of Wyoming.

Fiscal Year	Harvest	Rec. Days	Animals/Hunter	Animals/Day	Number Hunters	Lic. Rev. (\$)	Mgmt. Costs	Hunter (\$) Expend.
FY 76	25,150	24,355	3.0	1.0	8,479	---	---	437,820
FY 77	31,454	28,151	3.2	1.1	9,974	---	203,034	533,272
FY 78	41,338	32,712	3.6	1.3	11,360	45,588	210,718	714,294
FY 79	37,042	29,954	3.3	1.2	11,114	46,757	233,646	701,125
FY 80	38,017	34,021	3.4	1.1	11,296	52,120	315,749	903,113

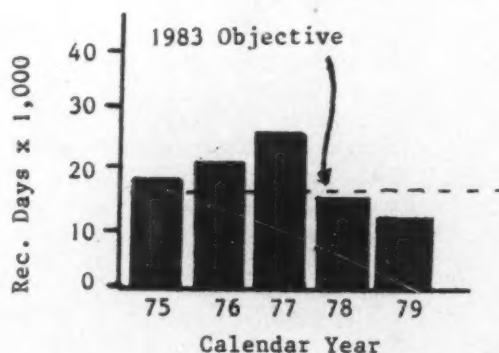
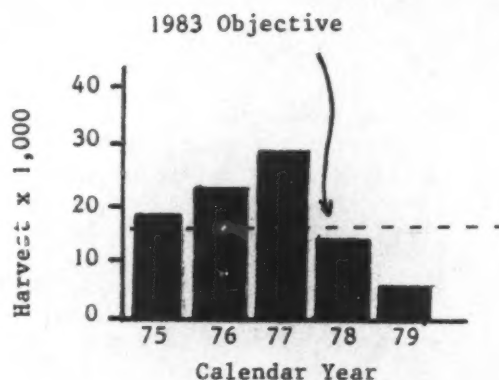
PARTRIDGE

OBJECTIVES: THE 1983 OBJECTIVES FOR THE PROGRAM ARE TO PROVIDE AT LEAST 7,474 CHUKAR AND 3,766 HUNGARIAN PARTRIDGE FOR HARVEST AT A RATE OF 1.8 BIRDS PER DAY. THIS WILL PRODUCE ANNUALLY 9,342 AND 4,708 HUNTER RECREATION DAYS, RESPECTIVELY.

During 1979, 2,271 chukar and 1,210 Hungarian partridges were harvested at a rate of 1.5 and 1.4 birds respectively per hunter. The average number of birds harvested per day was 0.5 and 0.4, respectively. This resulted in a total of 7,610 hunter recreation days of which 4,665 were for chukar and 2,945 were for Hungarian partridge. No data are available regarding days spent in such nonconsumptive endeavors as observation, photography, nature study, etc.

Bird hunters expended approximately \$26.52 per hunting day and the 7,610 days spent by hunters in pursuit of partridge resulted in \$204,706 in expenditures throughout the state.

A total of 2,425 hunters pursued partridge during the 1979 season. Of these, 1,535 and 890 hunters pursued chukar and Hungarian partridge, respectively. License sales attributable to partridge hunting resulted in \$26,127 in revenue to the Department. Costs of partridge management in Wyoming totaled \$5,749 for all activities, resulting in a net revenue of \$20,378 for the program. The total cost to the Department was \$1.65 and the return to the state's economy was \$58.81 for each partridge harvested. In 1979, 245 chukars were raised and released from the Department's bird hatcheries.



Five-year trends in the partridge program in the state of Wyoming.

Fiscal Year	Harvest	Rec. Days	Animals/Hunter	Animals/Day	Number Hunters	Lic. Rev. (\$)	Mgmt. Costs	Hunter (\$) Expend.
FY 76	19,276	17,058	4.1	1.13	4,758	---	---	308,464
FY 77	22,741	20,940	3.6	1.09	6,313	---	24,921	398,022
FY 78	28,235	24,062	4.1	1.17	6,948	22,829	8,948	523,816
FY 79	13,572	13,618	3.1	1.00	4,437	23,438	4,364	321,349
FY 80	3,481	7,610	1.4	0.46	2,425	26,127	5,749	204,706

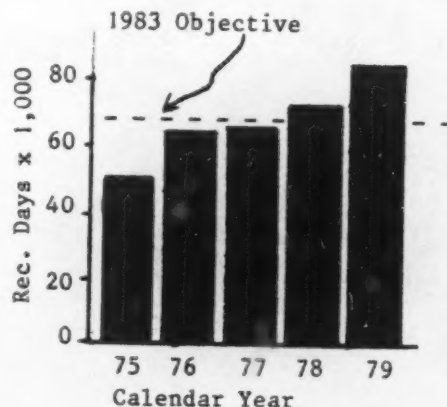
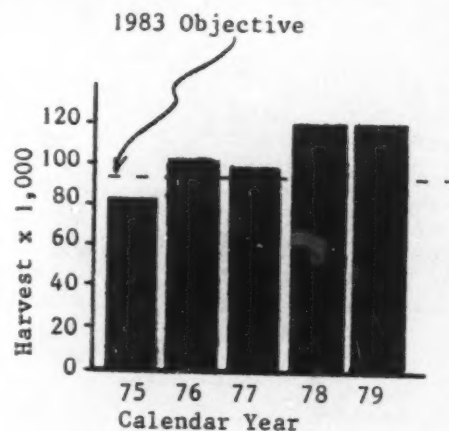
GROUSE

OBJECTIVES: THE 1983 OBJECTIVES FOR THE PROGRAM ARE TO PROVIDE AT LEAST 70,094 SAGE, 2,320 SHARP-TAILED, 11,970 BLUE AND 6,159 RUFFED GROUSE FOR HARVEST AT A RATE OF 1.7, 1.0, 1.0, and 1.0 BIRDS PER DAY, RESPECTIVELY. THIS WILL PRODUCE ANNUALLY 41,232, 2,320, 11,970 AND 6,159 HUNTER RECREATION DAYS, RESPECTIVELY.

During 1979, 93,208 sage, 3,285 sharp-tailed, 23,960 blue and 9,333 ruffed grouse were harvested at a rate of 4.6, 3.6, 3.2 and 3.9 birds per hunter, respectively. The average number of animals harvested per day was 1.9, 1.1, 1.0 and 1.1, respectively. This resulted in 48,495 sage, 2,975 sharp-tailed, 22,983 blue and 8,538 ruffed grouse hunter recreation days for a total of 82,991 recreation days. No data are available regarding days spent in such nonconsumptive endeavors as observation, photography, nature study, etc.

Bird hunters expended approximately \$26.52 per hunting day and the 82,991 recreation days spent by hunters in pursuit of grouse resulted in \$2,197,575 in expenditures throughout the state.

A total of 31,231* hunters pursued these species during the 1979 season. License sales attributable to these species resulted in \$98,982 in revenue to the Department. Costs of grouse management in Wyoming totaled \$156,643 for all activities, resulting in a net cost of \$57,661 for the program. For each grouse harvested, the total cost to the Department was \$1.21 and the return to the state's economy was \$16.93.



Five-year trends in the grouse program in the state of Wyoming.

Fiscal Year	Harvest	Rec. Days	Animals/Hunter	Animals/Day	Number* Hunters	License Rev. (\$)	Mgmt. Costs	Hunter (\$) Expenditures
FY 76	82,609	52,138	4.3	1.6	19,408	---	---	938,659
FY 77	108,630	64,299	4.8	1.7	22,821	---	82,512	1,221,117
FY 78	96,917	65,932	3.8	1.4	25,203	87,324	114,358	1,438,113
FY 79	116,077	73,349	4.4	1.6	26,497	88,797	114,803	1,718,731
FY 80	129,786	82,991	4.2	1.6	31,231	98,982	156,643	2,197,575

*Hunters pursuing more than one species of grouse are counted for each species hunted resulting in an unknown degree of multiple counting.

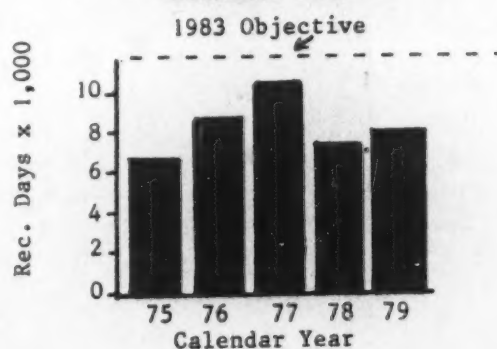
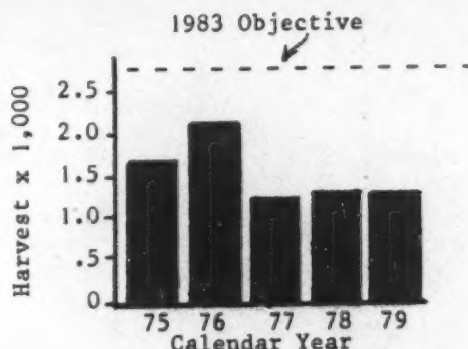
TURKEY

OBJECTIVES: THE 1983 OBJECTIVES FOR THE PROGRAM ARE TO PROVIDE AT LEAST 2,656 TURKEYS FOR HARVEST AT A RATE OF 39 PERCENT SUCCESS AND 4 DAYS OF HUNTING PER BIRD TAKEN. THIS WILL PRODUCE 10,624 HUNTER RECREATION DAYS ANNUALLY.

During 1979, 1,318 turkeys were harvested at a hunter success rate of 39 percent. An average of 6.0 days of hunting per bird harvested resulted in a total of 8,042 days afield hunting turkey. No data are available regarding days spent in such non-consumptive endeavors as observation, photography, nature study, etc.

Turkey hunters expended approximately \$42.49 per hunting day and the 8,042 days spent by hunters in pursuit of this species resulted in \$341,668 in expenditures throughout the state.

A total of 3,454 turkey licenses were sold during the 1979 season. Sales of turkey licenses resulted in a total of \$26,690 in revenue to the Department. Costs of turkey management in Wyoming totaled \$40,259 for all activities, resulting in a net cost of \$13,569 for the program. For each turkey harvested, the total cost to the Department was \$30.27 and the return to the state's economy was \$256.89.



Five-year trends in the turkey program in the state of Wyoming.

Fiscal Year	Harvest	Rec. Days	Success	Days/Animal	Lic. Sold	Lic. Rev. (\$)	Mgmt. Costs	Hunter (\$) Expenditures
FY 76	2,190	8,622	51%	3.9	4,283	31,390	---	279,380
FY 77	1,259	10,238	28%	8.1	4,514	34,285	33,942	317,632
FY 78	1,368	7,235	39%	5.3	3,548	26,890	37,783	289,696
FY 79	1,314	7,758	43%	5.9	3,080	23,185	32,824	269,421
FY 80	1,318	8,042	39%	6.0	3,454	26,690	40,259	341,668

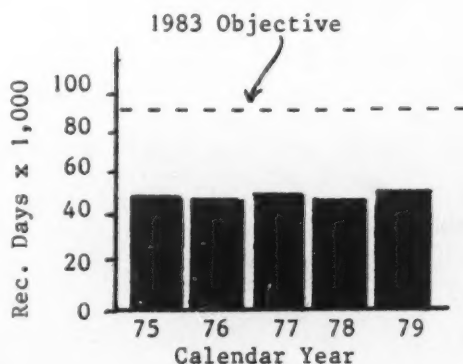
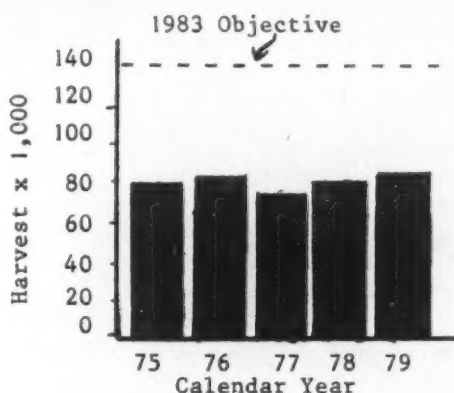
DUCKS

OBJECTIVES: THE 1983 OBJECTIVES FOR THE PROGRAM ARE TO PROVIDE AT LEAST 136,000 DUCKS FOR HARVEST AT A RATE OF 1.5 DUCKS PER DAY. THIS WILL PRODUCE 90,667 HUNTER RECREATION DAYS.

During 1979, 82,240 ducks were harvested at a rate of 7.5 birds per hunter. An average of 1.5 birds harvested per day of hunting resulted in a total of 55,757 days of duck hunting recreation. No data are available regarding days spent in such nonconsumptive endeavors as observation, photography, nature study, etc.

Bird hunters expended approximately \$26.52 per hunting day, and the 55,757 days spent by hunters in pursuit of ducks resulted in \$1,481,105 in expenditures throughout the state.

A total of 10,920 hunters pursued ducks during the 1979 season. License sales attributable to this species resulted in \$46,355 in revenue to the Department. Costs of duck management in Wyoming totaled \$136,307 for all activities resulting in a net cost of \$89,952 for the program. The total cost to the Department was \$1.66 and the return to the state's economy was \$18.01 for each duck harvested.



Five-year trends in the duck program in the state of Wyoming.

Fiscal Year	Harvest	Rec. Days	Animals/Hunter	Animals Per Day	No. of Hunters	Lic. Rev. (\$)	Mgmt. Costs	Hunter (\$) Expenditures
FY 76	79,795	52,795	8.6	1.5	9,304	---	---	951,926
FY 77	80,891	51,610	8.2	1.6	9,919	---	287,220	981,530
FY 78	80,296	53,182	7.6	1.5	10,627	40,599	504,360	1,157,157
FY 79	81,180	49,912	8.1	1.6	10,050	41,586	170,679	1,168,543
FY 80	82,240	55,757	7.5	1.5	10,920	46,355	136,307	1,481,105

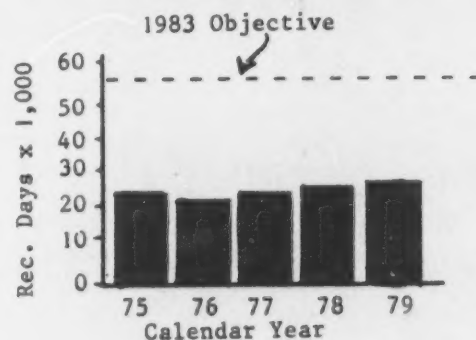
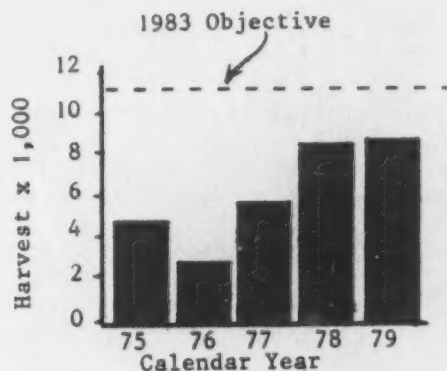
GEESE

OBJECTIVES: THE 1983 OBJECTIVES FOR THE PROGRAM ARE TO PROVIDE AT LEAST 11,000 GEESSE FOR HARVEST AT A RATE OF 1 BIRD PER LICENSE HOLDER AND .2 BIRDS PER DAY OF HUNTING. THIS WILL PRODUCE 55,000 HUNTER RECREATION DAYS ANNUALLY.

During 1979, 7,036 geese were harvested at a rate of 1.2 birds per hunter. An average of 3.95 days of hunting per goose harvested resulted in a total of 27,806 days of goose hunting recreation. No data are available regarding days spent in such nonconsumptive endeavors as observation, photography, nature study, etc.

Bird hunters expended approximately \$26.52 per hunting day and the 27,806 days spent by hunters in pursuit of geese resulted in \$734,532 in expenditures throughout the state.

A total of 5,699 hunters pursued this species during the 1979 season. License sales attributable to this species resulted in \$22,897 in revenue to the Department. Costs of goose management in Wyoming totaled \$650,795 for all activities, resulting in a net cost of \$627,898 for the program. The total cost to the Department was \$92.50 and the return to the state's economy was \$104.40 for each goose harvested.



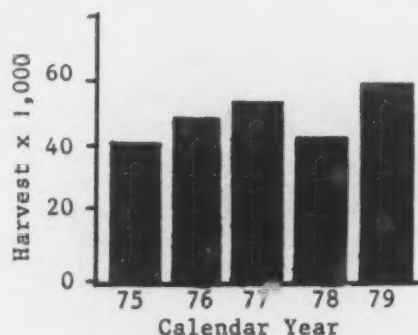
Five-year trends in the goose program in the state of Wyoming.

Fiscal Year	Harvest	Rec. Days	Animals/Hunter	Animals Per Day	Number of Hunters	Lic. Rev. (\$)	Mgmt. Costs	Hunter (\$) Expenditures
FY 76	4,707	24,792	1.1	.19	4,394	---	---	447,770
FY 77	3,366	21,292	.8	.16	4,154	---	320,278	405,751
FY 78	5,926	24,748	1.2	.24	5,075	20,034	463,930	538,102
FY 79	8,732	27,975	1.4	.31	6,164	20,541	521,037	657,305
FY 80	7,036	27,806	1.2	.25	5,699	22,897	650,795	734,532

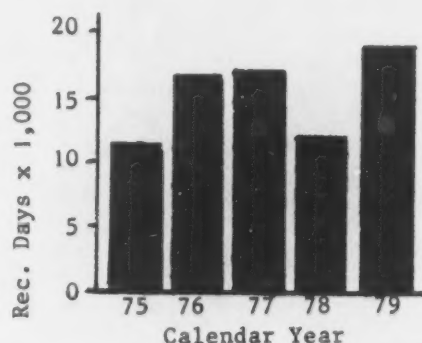
OTHER MIGRATORY GAME BIRDS

OBJECTIVE: THE 1983 OBJECTIVE FOR THE PROGRAM IS TO DETERMINE THE NUMBER OF SPORT HUNTING DAYS PROVIDED (ACTUAL AND POTENTIAL) BY THIS RESOURCE.

During 1979, 59,310 mourning dove and 0 little brown cranes were harvested at a rate of 10.9 and 0.0 birds per hunter, respectively. An average of 3.2 mourning doves and 0.0 cranes were harvested per day resulting in 18,733 and 77 hunter recreation days, respectively. No data are available regarding days spent in such nonconsumptive endeavors as observation, photography, etc. At present, no information is available concerning rail, snipe and coot harvests.



Bird hunters expended approximately \$26.52 per hunting day and the 18,810 days spent by hunters in pursuit of doves and cranes resulted in \$499,723 in expenditures throughout the state.



A total of 5,458 hunters pursued cranes and doves during the 1979 season. License sales attributable to these species resulted in \$20,416 in revenue to the Department. Management costs for this program in Wyoming totaled \$106,718 for all activities resulting in a net cost of \$86,302. The total cost to the Department was \$1.80 and the return to the state's economy was \$8.43 for each bird harvested. The cost to the Department is a maximal figure as rails, snipe and coots are not included in the harvest.

Five-year trends in the other migratory game birds program in the state of Wyoming.

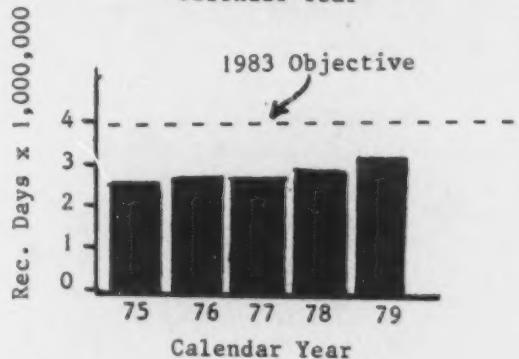
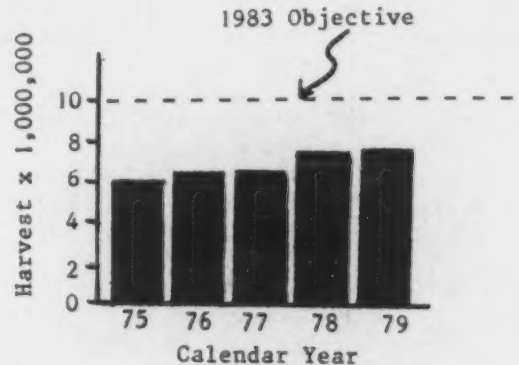
Fiscal Year	Harvest	Rec. Days	Animals/Hunter	Animals Per Day	No. of Hunters	Lic. Rev. (\$)	Mgmt. Costs	Hunter (\$) Expenditures
FY 76	43,214	12,982	10.2	3.3	4,230	---	---	232,177
FY 77	54,757	17,199	11.1	3.2	4,919	---	10,072	324,601
FY 78	57,226	17,903	11.6	3.2	4,922	17,864	29,369	390,481
FY 79	42,250	12,941	10.2	3.3	4,141	18,315	38,345	301,873
FY 80	59,310	18,810	10.9	3.2	5,458	20,416	106,718	499,723

SPORT FISHERIES

OBJECTIVES: THE 1983 OBJECTIVES FOR THE PROGRAM ARE TO PROVIDE AT LEAST 9,875,335 FISH FOR HARVEST WHICH MEETS THE STATE-WIDE AVERAGE STANDARDS FOR SIZE UNDER THE APPROPRIATE MANAGEMENT CONCEPTS AT AN AVERAGE CATCH RATE OF 2.5 FISH PER DAY. THIS WILL PROVIDE 3,950,134 FISHERMAN RECREATION DAYS.

During 1979, an estimated 7,544,603 fish were harvested from Wyoming waters. An average of 2.5 fish per fisherman recreation day resulted in 3,017,841 days spent afield in pursuit of this sport. No data are available regarding the extent to which this resource is used nonconsumptively.

Anglers expended approximately \$24.88* per fishing day for a total of \$75,069,077* in expenditures throughout the state. A total of 293,636 fishing licenses were sold during the 1979 season. License sales resulted in \$1,693,196 in revenue to the Department. Costs of sport fisheries management in Wyoming totaled \$4,772,646 for all activities, resulting in a net cost of \$3,079,450 for the program. The total cost to the Department was 63¢ and the return to the state's economy was \$9.95 for each fish harvested.



Five-year trends in the sport fisheries program in the state of Wyoming.

Fiscal Year	Harvest	Rec. Days	Fish/Day	Lic. Sold	Lic. Rev. (\$)	Mgmt. Costs	Fisherman Expenditures*
FY 76	5,921,938	2,368,775	2.5	279,061	1,522,961	---	39,284,966
FY 77	6,430,742	2,572,297	2.5	297,813	1,655,183	3,118,692	44,830,535
FY 78	6,433,893	2,573,557	2.5	296,075	1,663,143	3,625,817	56,217,810
FY 79	7,409,420	2,963,768	2.5	308,552	1,759,872	3,941,426	65,104,609
FY 80	7,544,603	3,017,841	2.5	293,636	1,693,196	4,772,646	75,069,077

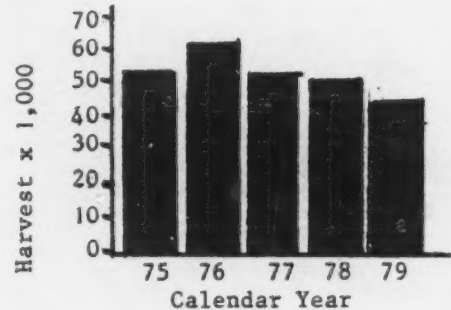
*Fisherman expenditures, recreation days and expenditures per day are not directly comparable due to different methodologies being used in the two reports from which these calculations were taken.

FURBEARERS

OBJECTIVES: THE 1983 OBJECTIVE FOR THE PROGRAM IS TO DETERMINE THE POPULATION STATUS AND HARVEST POTENTIAL FOR EACH SPECIES.

During 1979, an estimated 1,113 bobcat, 6,615 beaver, 3,919 coyote, 3,066 fox, 738 mink, 20,145 muskrat, 2,772 raccoon, 1,665 badger, 82 marten, 4,271 skunk and 25 swift fox were harvested. No data are available regarding consumptive recreation days furnished by the resource or by nonconsumptive endeavors as observation, photography, nature study, etc.

A total of 2,174 trapping, 68 fur dealer licenses and 7,118 beaver tags were sold during 1979. Sales of trapping, fur dealer licenses and beaver tags resulted in \$21,149 in revenue to the Department. Furs trapped in Wyoming in 1979 were valued at approximately \$1,028,091.60. Costs of furbearer management in Wyoming totaled \$80,026 for all activities resulting in a net cost of \$58,877 for the program. The total cost to the Department was \$1.79 and the return to the state's economy was at least \$23.01 for each furbearer harvested.



Five-year trends in the furbearer program in the state of Wyoming.

Fiscal Year	Harvest	Rec. Days	Harvest/Lic. Holder	Animals/Day	Lic. Sold	Lic. Rev. (\$)	Mgmt. Costs	Value/Furs Taken
FY 76	54,015	--	68.6	--	787	8,860	--	2,236,288
FY 77	62,104	--	60.6	--	1,024	11,073	41,501	2,574,028
FY 78	55,988	--	41.0	--	1,365	13,969	29,885	1,852,876
FY 79	52,775	266,488	41.4	0.2	1,271	12,887	28,630	1,028,642
FY 80	44,674	167,791	20.5	0.3	2,174	21,149	80,026	1,028,092

COMMERCIAL FISHERIES

OBJECTIVE: THE 1983 OBJECTIVE FOR THE PROGRAM IS TO COMPLETE AN INITIAL ASSESSMENT OF COMMERCIAL FISHERIES POTENTIAL FOR THE MAJOR WATERS OF THE STATE.

During 1979, 32 fishing preserves, 4 commercial fish hatcheries, 191 seining and 33 live bait dealer licenses were sold. License sales resulted in a total of \$4,635 in revenue to the Department. Costs of commercial fisheries management in Wyoming totaled \$166,883 for all activities resulting in a net cost of \$162,248 for the program. The commercial fisheries program at present consists of a research project and the licensing of several activities. There were 0 commercial fishing operations active in Wyoming during 1979.

Five-year trends in the commercial fisheries program in the state of Wyoming.

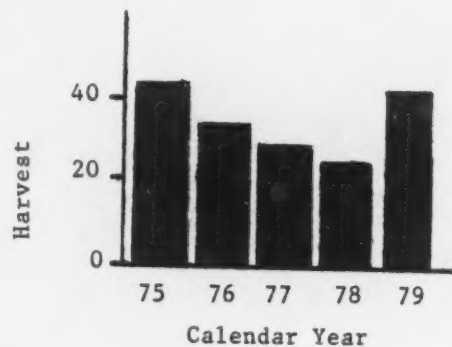
Fiscal Year	Yield (lbs) Commercial Fish	Minnow Harvest Bait Dealers	Minnow Harvest Seining Permits	Rec. Days Fishing Preserves	Lic. Sold	Lic. Rev. (\$)	Mgmt. Costs
FY 76	---	---	---	---	218	4,305	---
FY 77	---	---	---	---	221	4,275	103,480
FY 78	---	---	---	---	227	4,360	141,641
FY 79	---	---	---	---	234	4,460	145,249
FY 80	---	---	---	---	260	4,635	166,883

RAPTORS

OBJECTIVES: THE 1983 OBJECTIVES FOR THE PROGRAM ARE TO INITIATE AND MAINTAIN A CURRENT STATUS AND INVENTORY OF ALL RAPTORS AND ESTIMATE THE RECREATIONAL AND ESTHETIC IMPORTANCE OF THIS SEGMENT OF THE WILDLIFE RESOURCE.

During 1979, 42 raptors were harvested for a success rate of 100 percent for permit holders. No data are available regarding recreation days spent capturing and hunting with falcons, nor are data available on the number of days spent in such nonconsumptive endeavors as observation, photography, nature study, etc.

A total of 30 falcon capture permits and 17 hunt with falcon permits were sold during the 1979 season. Sales of licenses resulted in \$2,125 in revenue to the Department. Costs of raptor management in Wyoming totaled \$79,375 for all activities, resulting in a net cost of \$77,250 for the program. The total cost to the Department was \$1,890 for each falcon captured.



Five-year trends in the raptor program in the state of Wyoming.

Fiscal Year	Harvest	Rec. Days	Success*	Days/Animal	Licenses** Sold	License Rev. (\$)	Mgmt. Costs	Hunter (\$) Expend.
FY 76	43	---	69%	---	65	4,855	---	---
FY 77	36	---	65%	---	61	3,630	8,457	---
FY 78	28	---	93%	---	39	1,925	36,532	---
FY 79	26	---	84%	---	45	2,130	65,014	---
FY 80	42	---	100%	---	47	2,125	79,375	---

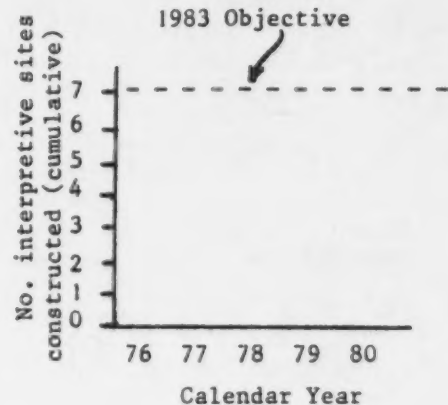
* Based on capture permits issued.

** Includes permits to hunt with falcon.

NONLICENSED USES OF WILDLIFE

OBJECTIVES: THE 1983 OBJECTIVE FOR THE PROGRAM ARE TO MEET THE OBJECTIVES AS STATED UNDER LICENSED USE PROGRAMS WHERE APPLICABLE, DEVELOP AT LEAST 7 ADDITIONAL INTERPRETIVE SITES FOR THE NONCONSUMPTIVE USE OF WILDLIFE IN ITS NATURAL HABITAT, INITIATE AND MAINTAIN A CURRENT STATUS AND INVENTORY OF ALL NONGAME WILDLIFE AND ESTIMATE THE RECREATIONAL AND ESTHETIC IMPORTANCE OF THIS SEGMENT OF THE WILDLIFE RESOURCE.

During 1979, no interpretive sites were developed under this program. Costs of nongame management in Wyoming totaled \$422,923 for all activities and species. No data are available regarding days spent in such nonconsumptive endeavors as observation, photography, nature study, etc. The Department's fish hatcheries, Sybille Game Research Unit and Sinks Canyon are considered to be existing interpretive sites.



Five-year trends in the nonlicensed uses of wildlife program in the state of Wyoming.

Fiscal Year	Recreation Days	Management Costs	Expenditures in State
FY 76	---	---	---
FY 77	---	246,367	---
FY 78	---	342,952	---
FY 79	---	370,142	---
FY 80	---	422,923	---

APPENDIX I - HARVEST SURVEY

Table 1 - Antelope Licenses, Harvest, Hunting Pressure and Hunter Success by Area for 1979.

Area	Licenses	Hunters	Harvest				Success	Days/ Animal Taken
			Buck	Doe	Fawn	Total		
1 Crook	249	223	124	79	0	204	91.5	2.8
Resident	28	21	9	9	0	18	85.7	2.8
Nonresident	221	202	116	70	0	186	92.1	2.8
2,5 Bearlodge, Inyan Kara	140	119	38	47	6	91	76.5	4.3
Resident	33	23	4	5	2	11	48.8	8.9
Nonresident	107	96	34	42	4	80	83.3	3.7
3 Keyhole	73	70	32	26	5	63	90.0	2.8
Resident	9	8	6	1	1	8	100.0	1.5
Nonresident	64	62	26	25	4	55	88.7	3.0
4 Arch Creek	251	239	138	69	0	207	86.6	3.5
Resident	49	41	21	9	0	30	73.2	3.3
Nonresident	202	198	117	60	0	177	89.4	3.6
6,7 S. Newcastle, S. Upton	1752	1685	1037	448	71	1556	92.3	3.1
Resident	444	407	246	89	5	340	83.5	3.1
Nonresident	1308	1278	791	359	66	1216	95.1	3.1
8 Niobrara	1508	1445	767	468	123	1358	94.0	3.0
Resident	288	254	99	101	32	232	91.3	1.9
Nonresident	1220	1191	668	367	91	1126	94.5	3.3
9 Lance Creek	747	676	306	250	70	626	92.6	3.0
Resident	174	154	64	43	20	127	82.5	2.4
Nonresident	573	522	242	207	50	499	95.6	3.1
10 Northeast Lusk	333	292	120	109	32	261	89.4	2.4
Resident	41	27	6	8	4	18	66.7	2.4
Nonresident	292	265	114	101	28	243	91.7	2.4
11 South Lusk	379	322	106	122	39	267	82.9	2.9
Resident	87	59	0	34	13	47	79.7	2.3
Nonresident	292	263	106	88	26	220	83.7	3.0
12, South Keeline, 14 Meadowdale	596	538	248	207	32	487	90.5	3.2
Resident	130	108	35	59	2	96	88.9	2.0
Nonresident	466	430	213	148	30	391	90.9	3.5
13 Jay Em	405	382	207	95	8	310	81.2	2.8
Resident	232	224	91	69	6	166	74.1	2.8
Nonresident	173	158	116	26	2	144	91.1	2.9
15 Clearmont	862	764	312	247	51	610	79.8	3.1
Resident	554	499	195	154	29	378	75.8	2.5
Nonresident	308	265	117	93	22	232	87.5	4.2
16 Ucross	552	510	330	126	19	475	93.1	3.1
Resident	167	139	62	58	9	129	92.8	1.8
Nonresident	385	371	268	68	10	346	93.3	3.6
17 Gillette	1424	1273	728	320	23	1071	84.1	3.5
Resident	224	187	102	44	5	151	80.7	2.9
Nonresident	1200	1086	626	276	18	920	84.1	3.5
18 Rocky Point	204	201	126	46	2	174	86.6	3.4
Resident	13	12	6	2	0	8	66.7	2.1
Nonresident	191	189	120	44	2	166	87.8	3.5
19 Rozet	706	592	315	153	27	495	83.6	3.1
Resident	85	62	24	19	6	49	79.0	3.0
Nonresident	621	530	291	134	21	446	84.2	3.1

Table 1 - Antelope Licenses, Harvest, Hunting Pressure and Hunter Success by Area for 1979.

Area	Licenses	Hunters	Harvest				Success	Days/ Animal Taken
			Buck	Doe	Fawn	Total		
20 Upper Powder Riv.	1578	1397	487	579	136	1202	86.0	3.5
Resident	193	131	18	79	8	105	80.2	2.3
Nonresident	1385	1266	469	500	128	1097	86.7	3.7
21 Middle Fork	790	710	293	284	30	607	85.5	3.0
Resident	196	176	60	67	3	130	73.9	2.4
Nonresident	594	534	233	217	27	477	89.3	3.1
22 Crazy Woman	1971	1785	909	623	121	1653	92.6	2.6
Resident	712	561	204	247	25	476	84.8	2.2
Nonresident	1259	1224	705	376	96	1177	96.2	2.8
23 Pumpkin Buttes	3473	3307	1597	1180	259	3036	91.8	2.4
Resident	1024	944	196	491	100	787	83.4	1.9
Nonresident	2449	2363	1401	689	159	2249	95.2	2.5
24 Thunder Basin	1260	1152	680	278	75	1033	89.7	3.0
Resident	181	150	45	38	42	125	83.3	3.8
Nonresident	1079	1002	635	240	33	908	90.6	2.9
25 Ormsby	599	547	229	243	44	516	94.3	1.7
Resident	464	425	176	195	28	399	93.9	1.6
Nonresident	135	122	53	48	16	117	95.9	2.1
26 Bear Creek	1517	1420	821	459	78	1358	95.6	2.1
Resident	776	728	406	232	45	683	93.8	1.6
Nonresident	741	692	415	227	33	675	97.5	2.6
27 Bill	1496	1353	800	427	93	1320	97.6	2.5
Resident	315	296	142	96	39	277	93.6	1.4
Nonresident	1181	1057	658	331	54	1043	98.7	2.8
28 Sage Creek	748	679	488	123	22	633	93.2	2.4
Resident	220	189	114	43	20	177	93.7	1.6
Nonresident	528	490	374	80	2	456	93.1	2.7
29 Shawnee	293	255	148	91	12	251	98.4	1.9
Resident	123	105	56	37	10	103	98.1	1.7
Nonresident	170	150	92	54	2	148	98.7	2.2
30 South Converse	1109	1023	491	394	40	925	90.4	2.5
Resident	512	445	220	135	26	381	85.6	2.2
Nonresident	597	578	271	259	14	544	94.1	2.7
31 Hat Six	300	291	260	27	0	287	98.6	1.7
Resident	240	232	206	22	0	228	98.3	1.5
Nonresident	60	59	54	5	0	59	100.0	2.2
32, Lower Bates Crk.,								
33 Upper Bates Crk.	871	762	410	310	13	733	96.2	2.1
Resident	450	413	316	57	12	385	93.2	1.7
Nonresident	421	349	94	253	1	348	99.7	2.6
34 Rock Eagle	101	91	56	23	0	79	86.8	2.5
Resident	80	72	42	18	0	60	83.3	2.5
Nonresident	21	19	14	5	0	19	100.0	2.5
35 Horse Creek	354	317	156	125	11	292	92.1	2.5
Resident	267	242	121	88	11	220	90.9	2.2
Nonresident	87	75	35	37	0	72	96.0	3.5
36 Burns	300	280	223	11	11	245	87.5	2.1
Resident	240	226	174	8	11	193	85.4	2.1
Nonresident	60	54	49	3	0	52	96.3	2.2

Table 1 - Antelope Licenses, Harvest, Hunting Pressure and Hunter Success by Area for 1979.

Area	Licenses	Hunters	Harvest			Total	Success	Days/ Animal Taken
			Buck	Doe	Fawn			
37 Harriman	394	360	207	100	21	328	91.1	2.0
Resident	212	189	83	67	16	166	87.8	2.0
Nonresident	182	171	124	33	5	162	94.7	2.0
38 Federal	596	542	241	202	18	461	85.1	2.5
Resident	456	421	185	160	15	360	85.5	2.3
Nonresident	140	121	56	42	3	101	83.5	3.5
39 Blue Grass	501	421	200	153	22	375	89.1	2.0
Resident	385	323	150	115	21	286	88.5	2.0
Nonresident	116	98	50	38	1	89	90.8	2.0
40 East Laramie	212	193	102	51	4	157	81.3	2.5
Resident	169	157	79	39	4	122	77.7	2.3
Nonresident	43	36	23	12	0	35	97.2	3.2
41 Laramie Peak	449	370	219	115	22	356	98.2	1.9
Resident	329	276	170	82	11	263	95.3	1.9
Nonresident	120	94	49	33	11	93	98.9	2.1
42 Laramie Plains	301	280	234	18	3	255	91.1	1.7
Resident	241	220	181	14	3	198	90.0	1.6
Nonresident	60	60	53	4	0	57	95.0	2.1
43 Cooper Lake	302	295	213	44	3	260	88.1	2.0
Resident	242	236	165	36	3	204	86.4	2.0
Nonresident	60	59	48	8	0	56	94.9	2.3
44 South Laramie	101	99	75	10	2	87	87.9	2.1
Resident	81	79	55	10	2	67	84.8	2.1
Nonresident	20	20	20	0	0	20	100.0	1.8
45 West Laramie	404	383	284	60	7	351	91.6	2.0
Resident	323	311	223	54	7	284	91.3	1.9
Nonresident	81	72	61	6	0	67	93.1	2.2
46 Kyle	495	460	344	70	26	440	95.7	2.0
Resident	399	370	270	55	26	351	94.9	1.9
Nonresident	96	90	74	15	0	89	98.9	2.1
47 Shirley Basin	694	660	441	174	25	640	97.0	1.5
Resident	579	548	346	158	25	529	96.5	1.4
Nonresident	115	112	95	16	0	111	99.1	2.2
48 Leo-Hanna	1104	1029	704	263	17	984	95.6	2.0
Resident	821	766	553	172	4	729	95.2	1.8
Nonresident	283	263	151	91	13	255	97.0	2.7
49 Wagonhound	53	44	41	1	1	43	97.7	2.0
Resident	28	22	19	1	1	21	95.5	1.9
Nonresident	25	22	22	0	0	22	100.0	2.1
50 Cedar Creek	1351	1204	403	637	95	1135	94.3	1.9
Resident	759	708	273	353	27	653	92.2	1.7
Nonresident	592	496	130	284	68	482	97.2	2.2
51 Big Creek	76	71	59	9	0	68	95.8	2.2
Resident	22	22	20	2	0	22	100.0	1.7
Nonresident	54	49	39	7	0	46	93.9	2.5
52 Spring Creek	1132	1019	424	424	100	948	93.0	2.0
Resident	697	679	332	221	63	616	90.7	1.8
Nonresident	435	340	92	203	37	332	97.6	2.3
53 Baggs	906	851	520	267	37	824	96.8	1.9
Resident	566	529	323	146	34	503	95.1	1.8
Nonresident	340	322	197	121	3	321	99.7	2.0

Table 1 - Antelope Licenses, Harvest, Hunting Pressure and Hunter Success by Area for 1979.

Area	Licenses	Hunters	Harvest			Total	Success	Days/ Animal Taken
			Buck	Doe	Fawn			
54,57 Echo Spgs., South Wamsutter	806	798	628	133	6	767	96.1	1.6
Resident	643	639	491	113	6	610	95.5	1.5
Nonresident	163	159	137	20	0	157	98.7	2.1
55 South Rawlins	801	778	694	59	4	757	97.3	1.9
Resident	640	623	547	59	4	610	97.9	1.8
Nonresident	161	155	147	0	0	147	94.8	2.2
56 Iron Springs	395	356	229	93	11	333	93.5	2.4
Resident	108	95	30	40	8	78	82.1	2.2
Nonresident	287	261	199	53	3	255	97.7	2.4
58 Black Butte- Kenny Rim	401	395	370	13	0	383	97.0	1.9
Resident	321	317	296	10	0	306	96.5	1.9
Nonresident	80	78	74	3	0	77	98.7	2.1
59 South Rock Spgs.- Pine Mountain	452	437	385	12	1	398	91.1	1.7
Resident	361	349	300	12	1	313	89.7	1.6
Nonresident	91	88	85	0	0	85	96.6	1.9
60 Table Rock	100	94	87	1	0	88	93.6	1.9
Resident	80	74	68	0	0	68	91.9	1.7
Nonresident	20	20	19	1	0	20	100.0	2.8
61 Chain Lakes	404	386	352	16	0	368	95.3	1.8
Resident	320	304	276	13	0	289	95.1	1.8
Nonresident	84	82	76	3	0	79	96.3	2.1
62 South Ferris	803	759	648	56	0	704	92.8	1.9
Resident	640	601	501	53	0	554	92.2	1.8
Nonresident	163	158	147	3	0	150	94.9	2.2
63 North Ferris	604	590	509	51	5	565	95.8	1.8
Resident	480	468	396	44	5	445	95.1	1.6
Nonresident	124	122	113	7	0	120	98.4	2.3
64 Bison Basin	294	285	265	9	0	274	96.1	1.5
Resident	238	229	210	8	0	218	95.2	1.4
Nonresident	56	56	55	1	0	56	100.0	2.0
65 South Pass	142	142	131	3	0	134	94.4	1.6
Resident	121	121	110	3	0	113	93.4	1.7
Nonresident	21	21	21	0	0	21	100.0	1.3
66 Lander	142	128	95	17	2	114	89.1	1.9
Resident	120	109	78	17	2	97	89.0	2.0
Nonresident	22	19	17	0	0	17	89.5	1.4
67 Sand Draw	289	277	258	0	0	258	93.1	1.6
Resident	240	230	213	0	0	213	92.6	1.6
Nonresident	49	47	45	0	0	45	95.7	1.8
68 Split Rock	404	395	356	22	0	378	95.7	1.4
Resident	321	314	280	18	0	298	94.9	1.3
Nonresident	83	81	76	4	0	80	98.8	2.0
69 South Rattlesnake	200	189	169	17	0	186	98.4	1.5
Resident	160	150	133	14	0	147	98.0	1.4
Nonresident	40	39	36	3	0	39	100.0	1.8
70 Kendrick	302	269	142	104	2	248	92.2	2.4
Resident	223	214	118	78	2	198	92.5	2.5
Nonresident	79	55	24	26	0	50	90.9	2.1

Table 1 - Antelope Licenses, Harvest, Hunting Pressure and Hunter Success by Area for 1979.

Area	Licenses	Hunters	Harvest			Total	Success	Days/ Animal Taken
			Buck	Doe	Fawn			
71 E. Poison Spider	302	297	251	22	8	281	94.6	1.5
Resident	238	233	194	17	0	219	94.0	1.3
Nonresident	64	64	57	5	0	62	96.9	2.3
72 W. Poison Spider	349	331	259	50	7	316	95.5	1.4
Resident	278	262	202	41	6	249	95.0	1.4
Nonresident	71	69	57	9	1	67	97.1	1.7
73 Powder River	501	459	268	121	20	409	89.1	1.7
Resident	402	374	212	94	19	325	86.9	1.7
Nonresident	99	85	56	27	1	84	98.8	1.6
74 Deer Creek	201	193	183	10	0	193	100.0	1.2
Resident	161	155	146	9	0	155	100.0	1.1
Nonresident	40	38	37	1	0	38	100.0	1.4
75 Badwater	352	343	279	25	10	314	91.4	1.5
Resident	283	280	223	21	9	253	90.4	1.4
Nonresident	69	63	56	4	1	61	96.8	1.8
76 Copper Mountain	553	512	312	126	16	454	88.7	2.3
Resident	414	385	246	85	9	340	88.3	2.2
Nonresident	139	127	66	41	7	114	89.8	2.5
77 Fifteen Mile Crk.	303	280	156	77	2	235	83.9	3.0
Resident	240	220	126	55	2	183	83.2	2.9
Nonresident	63	60	30	22	0	52	86.7	3.6
78 McCullough Peaks	200	194	154	28	0	182	93.8	2.4
Resident	160	157	120	25	0	145	92.4	2.4
Nonresident	40	37	34	3	0	37	100.0	2.4
79 Crystal Crk.(closed)								
80 Badger Basin	152	143	119	19	1	139	97.2	1.8
Resident	122	116	95	16	1	112	96.6	1.6
Nonresident	30	27	24	3	0	27	100.0	3.0
81 South Fork	793	730	337	272	40	649	88.9	2.4
Resident	589	555	260	187	40	487	87.7	2.5
Nonresident	204	175	77	85	0	162	92.6	2.2
82 Greybull-								
Wood River	854	799	493	160	14	667	84.5	2.8
Resident	522	473	269	99	7	375	79.3	2.2
Nonresident	332	316	224	61	7	292	92.4	3.5
83 Owl Creek	153	145	80	28	0	108	74.5	3.6
Resident	120	112	53	22	0	75	67.0	3.1
Nonresident	33	33	27	6	0	33	100.0	4.7
84 Wind River	53	48	32	5	0	37	77.1	2.6
Resident	40	38	28	2	0	30	78.9	2.1
Nonresident	13	10	4	3	0	7	70.0	4.9
85 Gros Ventre(closed)								
86 Hoback	50	45	15	19	2	36	80.0	3.1
Resident	40	40	14	18	2	34	85.0	3.0
Nonresident	10	5	1	1	0	2	40.0	5.0
87 Pinedale	401	347	266	61	5	332	95.7	1.9
Resident	320	275	208	50	5	263	95.6	1.7
Nonresident	81	72	58	11	0	69	95.8	2.5

Table 1 - Antelope Licenses, Harvest, Hunting Pressure and Hunter Success by Area for 1979.

Area	Licenses	Hunters	Harvest			Total	Success	Days/ Animal Taken
			Buck	Doe	Fawn			
88 Beaver	201	180	104	48	1	153	85.0	2.2
Resident	161	140	75	42	0	117	83.6	2.1
Nonresident	40	40	29	6	1	36	90.0	2.3
89 Piney	301	281	214	23	0	237	84.3	2.1
Resident	240	224	165	15	0	180	80.4	1.9
Nonresident	61	57	49	8	0	57	100.0	2.5
90 Yellow Point	100	80	75	1	0	76	95.0	2.0
Resident	80	68	63	1	0	64	94.1	1.9
Nonresident	20	12	12	0	0	12	100.0	2.6
91 Eden	610	602	533	33	2	568	94.4	1.9
Resident	482	477	414	29	2	445	93.3	1.7
Nonresident	128	125	119	4	0	123	98.4	2.4
92 Dry Lake	100	91	56	19	2	77	84.6	2.3
Resident	80	73	43	19	2	64	87.7	2.1
Nonresident	20	18	13	0	0	13	72.2	3.2
93 W. Green River	454	439	337	40	4	381	86.8	2.8
Resident	362	347	254	37	4	295	85.0	2.8
Nonresident	92	92	83	3	0	86	93.5	2.6
94 Carter Lease	606	587	427	104	16	547	93.2	1.8
Resident	487	471	332	88	16	436	92.6	1.8
Nonresident	119	116	95	16	0	111	95.7	1.9
95 Cedar Mountain	503	484	470	0	0	470	97.1	2.3
Resident	403	384	370	0	0	370	96.4	2.4
Nonresident	100	100	100	0	0	100	100.0	1.8
96 West Farson	250	244	181	39	3	223	91.4	2.1
Resident	199	193	131	30	3	173	89.6	2.0
Nonresident	51	51	50	0	0	50	98.0	2.5
97 Boysen (closed)								
98 Sage (closed)								
99 Uinta	180	171	105	50	0	155	90.6	2.2
Resident	153	144	80	50	0	130	90.3	2.1
Nonresident	27	27	25	0	0	25	92.6	2.4
100 Bear Riv. Divide	126	112	60	4	2	66	58.9	2.5
Resident	108	100	49	4	2	55	55.0	2.7
Nonresident	18	12	11	0	0	11	91.7	1.8
101 Little Thunder	202	199	156	31	6	193	97.0	2.5
Resident	35	32	14	12	4	30	93.8	1.8
Nonresident	167	167	142	19	2	163	97.6	2.6
102 Buffalo	588	499	232	136	20	388	77.8	3.7
Resident	70	56	17	24	10	51	91.1	2.7
Nonresident	518	443	215	112	10	337	76.1	3.9
103 Dwyer	201	196	135	34	1	170	86.7	3.3
Resident	70	65	40	15	1	56	86.2	2.5
Nonresident	131	131	95	19	0	114	87.0	3.7
104 Crow Creek	589	518	259	184	25	468	90.3	2.2
Resident	379	326	136	133	16	285	87.4	2.0
Nonresident	210	192	123	51	9	183	95.3	2.6
State Total	52779	48798	29560	12962	2094	44616	91.4	2.4
Resident	27114	25028	15519	5973	972	22464	89.8	1.9
Nonresident	25665	23770	14041	6989	1122	22152	93.2	2.8

Table 2 - Antelope Harvest, Licenses, Success, and Hunter Days by Herd Unit.

Herd Unit	Licenses	Hunters	Buck	HARVEST		Total	Success	Hunter Days
				Doe	Fawn			
1 Sublette	1941	1807	1414	225	13	1652	91.4	3284
Resident	1546	1441	1092	195	12	1299	90.1	2428
Nonresident	395	366	322	30	1	353	96.4	856
2 Crystal	Closed							
3 Copper Mtn.	553	512	312	126	16	454	88.7	1042
Resident	414	385	246	85	9	340	88.3	753
Nonresident	139	127	66	41	7	114	89.8	289
4 Meeteetse	1310	1214	729	265	16	1010	83.2	2956
Resident	882	805	448	176	9	633	78.6	1589
Nonresident	428	409	281	89	7	377	92.2	1367
5 Southfork								
Shoshone	793	730	337	272	40	649	88.9	1570
Resident	589	555	260	187	0	487	87.9	1213
Nonresident	204	175	77	85	40	162	92.6	357
6 McCullough Pks.	200	194	154	28	0	182	93.8	432
Resident	160	157	120	25	0	145	92.4	343
Nonresident	40	37	34	3	0	37	100.0	89
7 Badger Basin	152	143	119	19	1	139	97.2	257
Resident	122	116	95	16	1	112	96.6	176
Nonresident	30	27	24	3	0	27	100.0	81
8 Powder River	2838	2547	1370	693	93	2156	84.6	7136
Resident	945	825	359	256	43	658	79.8	1606
Nonresident	1893	1722	1011	437	50	1498	87.0	5530
9 Pumpkin Buttes	6906	6443	3342	2112	461	5915	91.8	15077
Resident	1952	1687	459	788	171	1418	84.0	3112
Nonresident	4954	4756	2883	1324	290	4497	94.5	11965
10 Upper Powder River	2956	2606	1012	999	186	2197	84.3	7489
Resident	459	363	95	170	21	286	78.8	688
Nonresident	2497	2243	917	829	165	1911	85.2	6801
11 Cedar Mtn.	683	655	575	50	0	625	95.4	1407
Resident	556	528	450	50	0	500	94.7	1168
Nonresident	127	127	125	0	0	125	98.4	239
12 S. Rock Spgs.-								
Pine Mtn.	452	437	385	12	1	398	91.1	663
Resident	361	349	300	12	1	313	89.7	501
Nonresident	91	88	85	0	0	85	96.6	162
13 Black Butte-								
Kenny Rim	401	395	370	13	0	383	97.0	728
Resident	321	317	296	10	0	306	96.5	568
Nonresident	80	78	74	3	0	77	98.7	160
14 S. Wamsutter	806	798	628	133	6	767	96.1	1244
Resident	643	639	491	113	6	610	95.5	914
Nonresident	163	159	137	20	0	157	98.7	330
15 Red Desert	637	609	559	21	0	580	95.2	940
Resident	508	482	439	17	0	456	94.6	706
Nonresident	129	127	120	4	0	124	97.6	234
16 Dry Lake	100	91	56	19	2	77	84.6	179
Resident	80	73	43	19	2	64	87.7	137
Nonresident	20	18	13	0	0	13	72.2	42

Table 2 - Antelope Harvest, Licenses, Success, and Hunter Days by Herd Unit.

Herd Unit	Licenses	Hunters	Buck	HARVEST		Total	Success	Hunter Days
				Doe	Fawn			
17 W. Green Riv.	454	439	337	40	4	381	86.8	1055
Resident	362	347	254	37	4	295	85.0	829
Nonresident	92	92	83	3	0	86	93.5	226
18 Cokeville	Closed							
19 Carter Lease	732	699	487	108	18	613	87.7	1147
Resident	595	571	381	92	18	491	86.0	914
Nonresident	137	128	106	16	0	122	95.3	233
20 Chalk Bluffs	139	130	104	5	5	113	86.9	243
Resident	111	105	81	4	5	89	84.8	189
Nonresident	28	25	23	1	0	24	96.0	54
21 Hawk Springs	616	558	331	154	17	503	90.1	1213
Resident	476	435	256	110	17	384	88.3	850
Nonresident	140	123	75	44	0	119	96.7	363
22 Meadowdale	1380	1242	561	424	79	1064	85.7	3205
Resident	449	391	126	162	21	309	79.0	762
Nonresident	931	851	435	262	58	755	88.7	2443
23 Iron Mtn.	1309	1156	543	406	44	993	85.9	2327
Resident	1010	901	414	314	40	768	85.2	1684
Nonresident	299	255	129	92	4	225	88.2	643
24 Dwyer	229	222	147	44	2	193	86.9	620
Resident	83	77	45	19	2	65	84.4	162
Nonresident	146	145	102	25	0	128	88.2	458
25 Medicine Bow	3043	2799	1942	640	93	2675	95.6	4910
Resident	2369	2180	1520	481	69	2070	95.0	3490
Nonresident	674	619	422	159	24	605	97.7	1420
26 Cooper Lake	302	295	213	44	3	260	88.1	529
Resident	242	236	165	36	3	204	86.4	398
Nonresident	60	59	48	8	0	56	94.9	131
27 Centennial	899	842	566	170	30	766	91.0	1531
Resident	616	579	361	131	25	517	89.3	1012
Nonresident	283	263	205	39	5	249	94.7	519
28 Elk Mtn.	1404	1248	444	638	96	1178	94.4	2223
Resident	787	730	292	354	28	674	92.3	1139
Nonresident	617	518	152	284	68	504	97.3	1084
29 Big Creek	76	71	59	9	0	68	95.8	152
Resident	22	22	20	2	0	22	100.0	37
Nonresident	54	49	39	7	0	46	93.9	115
30 Iron Springs	1815	1655	902	538	112	1553	93.8	3188
Resident	1035	998	558	282	72	913	91.5	1702
Nonresident	780	657	344	256	40	640	97.4	1486
31 Wind River	53	48	32	5	0	37	77.1	97
Resident	40	38	28	2	0	30	78.9	63
Nonresident	13	10	4	3	0	7	70.0	34
32 Fremont	679	648	582	29	2	613	94.6	940
Resident	562	538	476	28	2	506	94.1	782
Nonresident	117	110	106	1	0	107	97.3	158
33 Sweetwater	832	804	730	44	0	774	96.3	1152
Resident	668	643	577	36	0	613	95.3	837
Nonresident	164	161	153	8	0	161	100.0	315

Table 2 - Antelope Harvest, Licenses, Success, and Hunter Days by Herd Unit.

	Herd Unit	Licenses	Hunters	Buck	HARVEST		Total	Success	Hunter Days
					Doe	Fawn			
34	Badwater	352	343	279	25	10	314	91.5	459
	Resident	283	280	223	21	9	253	90.4	348
	Nonresident	69	63	56	4	1	61	96.8	111
35	Project	Closed							
36	N. Ferris	604	590	509	51	5	565	95.8	989
	Resident	480	468	396	44	5	445	95.1	710
	Nonresident	124	122	113	7	0	120	98.4	279
37	S. Ferris	803	759	648	56	0	704	92.8	1306
	Resident	640	601	501	53	0	554	92.2	971
	Nonresident	163	158	147	3	0	150	94.9	335
38	Baggs	1419	1349	965	305	40	1309	97.0	2461
	Resident	976	928	674	184	37	894	96.3	1617
	Nonresident	443	421	291	121	3	415	98.6	844
39	N. Black Hills	1294	1138	615	324	37	976	85.8	3049
	Resident	150	113	47	33	8	88	77.9	270
	Nonresident	1144	1025	568	291	29	888	86.6	2779
40	S. Black Hills	329	306	159	96	3	258	84.3	955
	Resident	67	54	23	12	1	36	66.7	153
	Nonresident	262	252	136	84	2	222	88.1	802
41	Thunder Basin	1752	1685	1037	448	71	1556	92.3	4845
	Resident	444	407	246	89	5	340	83.5	1063
	Nonresident	1308	1278	791	359	66	1216	95.1	3782
42	Lance Creek	4377	4021	2141	1345	330	3816	94.9	10389
	Resident	941	836	367	285	105	757	90.6	1325
	Nonresident	3436	3185	1774	1060	225	3059	96.0	9064
43	Boxelder	752	694	333	267	27	627	90.3	1543
	Resident	347	302	149	92	18	258	85.4	557
	Nonresident	405	392	184	176	9	369	94.1	986
44	Bates Hole-								
	Hat Six	1171	1053	670	337	13	1020	96.9	2010
	Resident	690	645	522	79	12	613	95.0	990
	Nonresident	481	408	148	258	1	407	100.0	1020
45	Rattlesnake	953	897	652	176	17	845	94.2	1468
	Resident	739	709	514	136	16	666	93.9	1113
	Nonresident	214	188	138	40	1	179	95.2	355
46	N. Natrona	501	459	268	121	20	409	89.1	682
	Resident	402	374	212	94	19	325	86.9	550
	Nonresident	99	85	56	27	1	84	98.8	132
47	Ormsby	599	547	229	243	44	516	94.3	894
	Resident	464	425	176	195	28	399	93.9	643
	Nonresident	135	122	53	48	16	117	95.9	251
48	Bear Creek	1517	1420	821	459	78	1358	95.6	2826
	Resident	776	728	406	232	45	683	93.8	1085
	Nonresident	741	692	415	227	33	675	97.5	1741
49	Sage Creek	748	679	488	123	22	633	93.2	1511
	Resident	220	189	114	43	20	177	93.7	278
	Nonresident	528	490	374	80	2	456	93.1	1233
50	LaBonte	329	304	146	117	12	275	90.4	676
	Resident	152	132	65	40	8	113	85.6	244
	Nonresident	177	172	81	77	4	162	94.1	432
State Total		52779	48798	29560	12962	2094	44616	91.4	106144
Resident		27114	25028	15519	5973	972	22464	89.8	43300
Nonresident		25665	23770	14041	6989	1122	22152	93.2	62844

Table 3 - Mule Deer Harvest, Hunting Pressure and Hunter Success Ratios by Area for 1979.

Area	Hunters*	Harvest**		Total	Success*	Days/* Animal Taken
		Antlered	Antlerless			
1 Crook	2799	483	398	881	64.9	5.2
Resident	950	68	81	149	41.8	8.2
Nonresident	1849	415	317	732	76.7	4.3
2 Bearlodge	6133	378	330	708	59.9	6.0
Resident	2245	76	35	111	36.9	10.0
Nonresident	3888	302	295	597	73.2	4.8
3 Keyhole	1292	174	67	241	49.2	6.5
Resident	657	57	22	79	42.0	7.0
Nonresident	635	117	45	162	56.7	6.1
4 Sand Creek	1897	19	9	28	30.4	11.6
Resident	1371	10	0	10	23.0	15.3
Nonresident	526	9	9	18	49.6	7.1
5 Inyan Kara, South Upton	651	119	40	159	44.7	8.2
Resident	370	47	13	60	37.3	8.7
Nonresident	281	72	27	99	54.4	7.8
6 Skull Creek	715	202	9	211	37.2	9.1
Resident	538	122	0	122	29.6	11.2
Nonresident	177	80	9	89	60.5	5.9
7 South Osage	302	141	22	163	54.0	6.1
Resident	157	61	13	74	47.1	5.1
Nonresident	145	80	9	89	61.4	6.8
8 Upton-Four Horse	607	273	144	417	75.9	3.7
Resident	249	61	73	134	64.3	3.4
Nonresident	358	212	71	283	84.1	3.9
9 Blacktail Creek	200	66	22	88	44.0	7.9
Resident	104	13	13	26	25.0	10.0
Nonresident	96	53	9	62	64.6	7.0
10 Hampshire	220	106	9	115	58.2	4.8
Resident	66	0	0	0	19.7	12.0
Nonresident	154	106	9	115	74.7	4.0
11 Mule Deer	407	175	75	250	63.6	5.9
Resident	117	24	13	37	31.6	6.6
Nonresident	290	151	62	213	76.6	5.8
12 Hat Creek	496	313	48	361	72.8	4.1
Resident	196	109	13	122	62.2	3.1
Nonresident	300	204	35	239	79.7	4.6
13 Lusk	1205	398	389	787	67.9	4.2
Resident	522	97	194	291	58.8	3.7
Nonresident	683	301	195	496	74.8	4.5
14 Twenty Mile	1453	484	498	982	70.4	3.8
Resident	702	171	259	430	66.7	2.6
Nonresident	751	313	239	552	73.9	4.8
15 Meadowdale	665	187	116	303	45.6	5.7
Resident	544	111	98	209	38.4	5.7
Nonresident	121	76	18	94	77.7	5.7
16 Jay Em	372	81	90	171	49.5	5.2
Resident	340	72	72	144	46.2	5.3
Nonresident	32	9	18	27	84.4	4.4

Table 3 - Mule Deer Harvest, Hunting Pressure and Hunter Success Ratios by Area for 1979.

Area	Hunters*	Harvest**		Total	Success*	Days/* Animal Taken
		Antlered	Antlerless			
17 Northwest Gillette	1059	692	0	692	67.3	4.7
Resident	511	272	0	272	55.6	6.3
Nonresident	548	420	0	420	78.3	3.6
18 Campbell	1300	715	34	749	61.6	5.0
Resident	563	238	25	263	51.2	5.0
Nonresident	737	477	9	486	69.6	4.9
19 Pumpkin Buttes	437	222	0	222	50.8	5.1
Resident	195	71	0	71	36.4	5.9
Nonresident	242	151	0	151	62.4	4.7
20 Clarkelen	164	86	12	98	59.8	3.2
Resident	79	25	12	37	46.8	2.5
Nonresident	85	61	0	61	71.8	3.7
21 Thunder Basin	644	307	9	316	49.1	6.0
Resident	297	95	0	95	32.0	9.6
Nonresident	347	212	9	221	63.7	4.5
22 Douglas	869	305	204	509	58.6	3.3
Resident	560	146	124	270	48.2	3.0
Nonresident	309	159	80	239	77.3	3.6
23 Clearmont	2715	1070	293	1363	57.5	4.4
Resident	1883	540	183	723	48.7	4.8
Nonresident	832	530	110	640	77.5	3.8
24 Sheridan	2171	401	229	630	46.4	6.6
Resident	1884	276	218	494	44.5	6.7
Nonresident	287	125	11	136	58.9	6.0
25 Tongue-Goose	2072	558	13	571	28.7	13.1
Resident	1609	337	13	350	23.2	16.1
Nonresident	463	221	0	221	47.7	7.9
26 Ucross	1645	669	198	867	59.1	4.3
Resident	903	198	115	313	45.1	5.4
Nonresident	742	471	83	554	76.1	3.5
27 Buffalo	1274	340	224	564	57.2	4.3
Resident	772	103	103	206	44.6	4.9
Nonresident	502	237	121	358	76.7	3.7
28 Hunter Mesa	1176	252	27	279	27.6	12.0
Resident	604	98	0	98	23.8	15.0
Nonresident	572	154	27	181	31.6	9.5
29 Johnson	518	141	60	201	45.9	4.9
Resident	269	58	13	71	40.1	4.6
Nonresident	249	83	47	130	52.2	5.0
30 Upper Powder Riv.	1463	546	288	834	60.2	4.8
Resident	635	141	95	236	42.8	6.0
Nonresident	828	405	193	598	73.6	4.2
31 Nine Mile	921	383	200	583	65.0	3.9
Resident	412	96	101	197	47.8	3.6
Nonresident	509	287	99	386	79.0	4.0
32 Barnum	1032	526	78	604	58.5	5.0
Resident	460	162	51	213	46.3	5.7
Nonresident	572	364	27	391	68.4	4.6

Table 3 - Mule Deer Harvest, Hunting Pressure and Hunter Success Ratios by Area for 1979.

Area	Hunters*	Harvest**		Total	Success*	Days/* Animal Taken
		Antlered	Antlerless			
33 Red Fork	2566	1165	445	1610	65.9	3.8
Resident	1272	377	263	640	55.1	3.4
Nonresident	1294	788	182	970	76.6	4.0
34 Natrona	1159	358	22	380	32.8	7.3
Resident	913	215	0	215	23.5	9.5
Nonresident	246	143	22	165	67.1	4.4
35 Upper Nowood	935	337	202	539	57.6	3.8
Resident	680	214	152	366	53.8	3.8
Nonresident	255	123	50	173	67.8	3.9
36 Badwater	1228	458	109	567	46.2	4.3
Resident	952	304	87	391	41.1	4.3
Nonresident	376	154	22	176	63.8	4.2
37 Copper Mountain	1113	328	259	587	55.0	4.2
Resident	908	204	232	436	50.8	4.2
Nonresident	205	124	27	151	73.7	4.1
38 Black Mountain	442	132	53	185	41.9	5.3
Resident	388	110	37	147	37.9	5.6
Nonresident	54	22	16	38	70.4	4.4
39 Bates Creek	424	103	51	154	39.2	4.9
Resident	304	37	51	88	32.9	5.4
Nonresident	120	66	0	66	55.0	4.1
40 Buffalo Creek	776	348	146	494	66.8	4.1
Resident	421	133	85	218	57.5	4.0
Nonresident	355	215	61	276	77.7	4.1
41 Sand Creek	802	198	40	238	34.0	7.2
Resident	615	126	24	150	30.1	8.2
Nonresident	187	72	16	88	47.1	5.1
42 Otter Creek	1665	750	347	1097	66.2	4.1
Resident	633	249	94	343	54.2	3.7
Nonresident	1032	501	253	754	73.5	4.3
43 Canyon Creek	396	45	45	90	24.0	10.9
Resident	191	12	12	24	12.6	19.4
Nonresident	205	33	33	66	34.6	8.0
44 Brokenback Crk.	360	76	57	133	36.9	7.4
Resident	227	38	46	84	37.0	7.0
Nonresident	133	38	11	49	36.8	8.0
45 Paintrock	577	119	35	154	26.7	11.3
Resident	439	58	35	93	21.1	13.5
Nonresident	138	61	0	61	44.2	8.0
46 Paintrock-Leigh Creek "V"	748	102	12	114	15.2	22.6
Resident	543	64	12	76	14.0	25.8
Nonresident	205	38	0	38	18.5	16.0
47 Manderson	303	45	23	68	22.4	10.4
Resident	212	23	23	46	21.7	9.8
Nonresident	91	22	0	22	24.2	11.8
48 Upper Medicine Lodge Creek	605	131	5	136	24.5	14.5
Resident	485	98	0	98	22.7	16.3
Nonresident	120	33	5	38	31.7	9.2

Table 3 - Mule Deer Harvest, Hunting Pressure and Hunter Success Ratios by Area for 1979.

Area	Hunters *	Harvest**		Total	Success *	Days/* Animal Taken
		Antlered	Antlerless			
49 Trapper Creek	472	119	0	119	25.2	12.6
Resident	342	47	0	47	13.7	23.0
Nonresident	130	72	0	72	55.4	5.9
50 Upper Shell Crk.-						
Beaver Crk.	221	47	0	47	25.7	8.8
Resident	127	25	0	25	29.1	6.5
Nonresident	94	22	0	22	23.4	12.6
51 Beaver Creek	320	84	35	119	37.2	7.2
Resident	265	69	24	93	35.1	6.1
Nonresident	55	15	11	26	47.3	11.4
52 Bear Creek	115	46	0	46	40.0	7.3
Resident	112	46	0	46	41.1	6.8
Nonresident	3	0	0	0	0.0	22.0
53 Sheep Mountain	247	81	3	84	34.0	12.2
Resident	223	81	0	81	36.3	11.4
Nonresident	24	0	3	3	12.5	32.7
54 Medicine Mountain	433	132	0	132	30.5	9.2
Resident	361	105	0	105	29.1	9.1
Nonresident	72	27	0	27	37.5	9.4
55 Rock Eagle	643	202	93	295	49.6	5.4
Resident	581	170	86	256	48.2	5.5
Nonresident	62	32	7	39	62.9	4.9
56 Uva	316	108	65	173	59.8	4.1
Resident	269	87	50	137	55.8	4.1
Nonresident	47	21	15	36	83.0	4.2
57 Southeast	345	96	29	125	43.5	6.5
Resident	329	89	29	118	43.5	6.6
Nonresident	16	7	0	7	43.8	5.0
58 Horse Creek	424	123	78	201	47.9	4.0
Resident	390	105	72	177	45.9	4.0
Nonresident	34	18	6	24	70.6	3.7
59 Little Bear	334	181	13	194	58.1	2.8
Resident	311	163	13	176	56.6	2.8
Nonresident	23	18	0	18	78.3	2.6
60 Pole Mountain	939	444	44	488	53.7	4.5
Resident	870	411	41	452	53.8	4.5
Nonresident	69	33	3	36	52.2	4.0
61 Harriman	517	160	50	210	40.8	5.4
Resident	482	139	50	189	39.4	5.4
Nonresident	35	21	0	21	60.0	5.3
62 Iron Mountain	571	316	18	334	59.0	3.3
Resident	434	215	15	230	53.7	3.1
Nonresident	137	101	3	104	75.9	3.6
63 Richau	1034	424	218	642	64.5	2.9
Resident	906	338	200	538	62.1	2.9
Nonresident	128	86	18	104	81.3	3.0

Table 3 - Mule Deer Harvest, Hunting Pressure and Hunter Success Ratios by Area for 1979.

Area	Hunters *	Harvest**		Total	Success *	Days/* Animal Taken
		Antlered	Antlerless			
64 Laramie Peak	2601	849	521	1370	55.2	4.6
Resident	2140	537	475	1012	50.2	4.7
Nonresident	461	312	46	358	78.3	4.5
65 N. Laramie Peak	3480	1229	545	1774	56.0	4.1
Resident	2736	722	477	1199	49.7	4.1
Nonresident	744	507	68	575	79.2	4.1
66 Hat Six	1879	736	154	890	48.7	4.8
Resident	1576	534	139	673	44.4	4.8
Nonresident	303	202	15	217	71.6	4.7
67 Casper Mountain (closed)						
68 Lower Bates Crk.	412	123	64	187	48.5	3.4
Resident	385	102	64	166	46.5	3.4
Nonresident	27	21	0	21	77.8	3.3
69 Bolton Creek	547	125	76	201	36.7	5.9
Resident	507	102	76	178	35.1	6.0
Nonresident	40	23	0	23	57.5	5.1
70 Hanna-Muddy Crk.	1032	304	28	332	33.4	6.9
Resident	868	226	25	251	30.4	7.0
Nonresident	164	78	3	81	49.4	6.4
71 Shirley Mountain	1155	330	266	596	53.0	4.2
Resident	1033	277	238	515	51.1	3.9
Nonresident	122	53	28	81	68.9	5.8
72 Pedro Mountain	258	54	40	94	41.5	4.2
Resident	218	38	37	75	40.4	3.9
Nonresident	40	16	3	19	47.5	5.8
73 Boswell	106	46	0	46	43.4	4.1
Resident	68	25	0	25	36.8	3.2
Nonresident	38	21	0	21	55.3	5.1
74 Kyle	335	74	73	147	43.9	6.9
Resident	277	49	65	114	41.2	7.5
Nonresident	58	25	8	33	56.9	4.9
75 Four Mile	1128	108	46	154	13.8	18.9
Resident	1050	98	43	141	13.6	18.8
Nonresident	78	10	3	13	16.7	19.9
76 Sheep Mountain	1753	133	118	251	14.3	17.8
Resident	1651	115	115	230	13.9	17.8
Nonresident	102	18	3	21	20.6	18.6
77 Boulder Ridge	206	22	0	22	10.7	21.7
Resident	189	13	0	13	6.9	33.3
Nonresident	17	9	0	9	52.9	5.0
78 French Creek	1445	254	75	329	22.8	11.1
Resident	1310	226	75	301	23.0	10.3
Nonresident	135	28	0	28	20.7	19.3
79 Kennaday Peak	2324	599	148	747	32.1	9.1
Resident	2068	464	138	602	29.1	10.0
Nonresident	256	135	10	145	56.6	5.5

Table 3 - Mule Deer Harvest, Hunting Pressure and Hunter Success Ratios by Area for 1979.

Area	Hunters*	Harvest**		Total	Success*	Days/ Animal Taken
		Antlered	Antlerless			
80 Spring Creek	1472	436	207	643	45.4	5.7
Resident	1189	276	200	476	42.2	5.7
Nonresident	283	160	7	167	59.0	5.8
81 Blackhill	1189	253	170	423	36.7	7.0
Resident	1040	213	163	376	37.4	6.8
Nonresident	149	40	7	47	31.5	8.8
82 Baggs	3161	1269	528	1797	57.6	4.5
Resident	2391	780	442	1222	51.7	4.4
Nonresident	770	489	86	575	76.0	4.6
83 Bolton Rim	225	48	13	61	27.1	9.0
Resident	163	13	13	26	16.0	15.7
Nonresident	62	35	0	35	56.5	4.0
84 Atlantic Rim	398	123	13	136	34.2	5.9
Resident	297	63	13	76	25.6	6.6
Nonresident	101	60	0	60	59.4	4.9
85 Southeast Creston	225	46	0	46	20.4	12.7
Resident	163	25	0	25	15.3	17.4
Nonresident	62	21	0	21	33.9	7.1
86 Haystack	305	52	0	52	17.0	12.6
Resident	284	50	0	50	17.6	11.9
Nonresident	21	2	0	2	9.5	29.0
87 Ferris	868	270	0	270	32.6	9.2
Resident	749	214	0	214	30.3	9.5
Nonresident	119	56	0	56	47.1	8.0
88 Kendrick	361	69	27	96	30.2	6.9
Resident	343	63	25	88	29.4	7.1
Nonresident	18	6	2	8	44.4	4.5
89 Rattlesnake	713	291	13	304	42.6	4.9
Resident	617	215	13	228	37.0	5.2
Nonresident	96	76	0	75	79.2	3.9
90 Muskrat	1302	187	182	369	28.3	7.8
Resident	1252	166	178	344	27.5	8.0
Nonresident	50	21	4	25	50.0	4.9
91 Popo Agie	1503	346	182	528	35.1	9.0
Resident	1430	331	166	497	34.8	9.1
Nonresident	73	15	16	31	42.5	7.5
92 Table Mountain	1426	251	376	627	45.0	6.9
Resident	1349	229	357	586	44.4	7.0
Nonresident	77	22	19	41	55.8	4.7
93 Upper Sweetwater	408	79	89	168	44.4	7.8
Resident	401	77	89	166	44.6	7.9
Nonresident	7	2	0	2	28.6	4.5
94 Twin Creek	1073	158	205	363	35.0	5.8
Resident	1043	152	203	355	35.3	5.8
Nonresident	30	6	2	8	26.7	7.4
95 South Pass	725	83	27	110	15.2	16.8
Resident	671	64	25	89	13.3	18.7
Nonresident	54	19	2	21	38.9	8.5

Table 3 - Mule Deer Harvest, Hunting Pressure and Hunter Success Ratios by Area for 1979.

Area	Hunters*	Harvest**		Total	Success*	Days/* Animal Taken
		Antlered	Antlerless			
96 Green Mtn.-						
Crooks Mtn.	728	204	0	204	28.0	11.7
Resident	692	189	0	189	27.3	11.9
Nonresident	36	15	0	15	41.7	8.5
97 Sweetwater Rocks	604	57	0	57	9.4	23.6
Resident	575	51	0	51	8.9	24.3
Nonresident	29	6	0	6	20.7	17.8
98 Chain Lakes	130	29	0	29	22.3	9.0
Resident	121	25	0	25	20.7	9.1
Nonresident	9	4	0	4	44.4	8.5
99 Table Rock	102	15	0	15	14.7	10.1
Resident	97	13	0	13	13.4	9.6
Nonresident	5	2	0	2	40.0	13.5
100 South Wamsutter	101	48	0	48	47.5	4.4
Resident	69	25	0	25	36.2	2.8
Nonresident	32	23	0	23	71.9	6.1
101 Black Butte	632	130	0	130	20.6	9.3
Resident	611	115	0	115	18.8	10.0
Nonresident	21	15	0	15	71.4	3.3
102 Aspen Mtn.	1407	287	0	287	20.5	9.0
Resident	1355	260	0	260	19.2	9.5
Nonresident	52	27	0	27	55.8	5.0
103 Pine Mountain	621	113	13	126	20.3	10.7
Resident	597	103	13	116	19.4	10.9
Nonresident	24	10	0	10	41.7	8.9
104 Little Mtn.	1117	196	0	196	17.5	10.8
Resident	1060	154	0	154	14.5	12.6
Nonresident	57	42	0	42	73.7	4.2
105 Beartooth	519	86	28	114	22.0	17.6
Resident	416	76	25	101	24.3	16.4
Nonresident	103	10	3	13	12.6	27.3
106 Grandall	388	69	24	93	27.3	13.5
Resident	340	61	24	85	28.8	11.9
Nonresident	48	8	0	8	16.7	32.8
107 Sunlight	436	49	0	49	11.2	29.8
Resident	342	23	0	23	6.7	47.7
Nonresident	94	26	0	26	27.7	13.8
108 Dead Indian	521	93	17	110	21.1	13.7
Resident	368	49	12	61	16.6	15.8
Nonresident	153	44	5	49	32.0	11.1
109 Bald Ridge	824	179	64	243	30.0	7.0
Resident	606	105	59	164	27.1	7.3
Nonresident	218	74	5	79	38.5	6.5
110 Grinnell	337	30	0	30	8.9	42.9
Resident	250	12	0	12	4.8	83.0
Nonresident	87	18	0	18	20.7	16.2

Table 3 - Mule Deer Harvest, Hunting Pressure and Hunter Success Ratios by Area for 1979.

Area	Hunters*	Harvest**		Total	Success*	Days/* Animal Taken
		Antlered	Antlerless			
111 Elk Fork	472	145	38	183	38.8	8.9
Resident	302	81	35	116	38.4	9.0
Nonresident	170	64	3	67	39.4	8.7
112 Ishawooa	910	319	96	415	45.6	6.1
Resident	695	212	93	305	43.9	6.3
Nonresident	215	107	3	110	51.2	5.7
113 Boulder	1504	511	323	834	55.5	4.8
Resident	1086	281	315	596	54.9	4.4
Nonresident	418	230	8	238	56.9	5.7
114 Wall Mountain	49	10	0	10	20.4	28.4
Resident	26	0	0	0	0.0	187.0
Nonresident	23	10	0	10	43.5	9.4
115 Thorofare	87	26	0	26	29.9	18.6
Resident	13	0	0	0	0.0	88.0
Nonresident	74	26	0	26	35.1	15.2
116 North Greybull Riv.	947	276	174	450	47.5	5.3
Resident	562	107	130	237	42.2	4.9
Nonresident	385	169	44	213	55.3	5.8
117 South Greybull Riv.	228	77	30	107	46.9	7.6
Resident	89	23	12	35	39.3	8.7
Nonresident	139	54	18	72	51.8	7.1
118 Wood Riv.-Goose-						
berry Creek	555	240	13	253	45.6	6.1
Resident	388	143	13	156	40.2	4.9
Nonresident	167	97	0	97	58.1	8.0
119 Anchor	845	237	129	366	43.3	5.1
Resident	678	143	111	254	37.5	5.1
Nonresident	167	94	18	112	67.1	4.9
120 Hamilton Dome	537	259	76	335	62.9	3.9
Resident	467	228	58	286	61.2	3.7
Nonresident	70	31	18	49	74.3	5.2
121 Sand Coolee	204	26	23	49	24.0	5.9
Resident	190	23	23	46	24.2	5.5
Nonresident	14	3	0	3	21.4	11.3
122 Shoshone River	1295	209	168	377	29.1	10.9
Resident	1236	199	165	364	29.4	10.9
Nonresident	59	10	3	13	22.0	8.8
123 Lovell	357	107	0	107	40.3	5.9
Resident	349	104	0	104	39.5	6.0
Nonresident	8	3	0	3	75.0	2.3
124 Emblem	1205	304	198	502	45.8	5.2
Resident	990	232	162	394	43.3	5.3
Nonresident	215	72	36	108	57.2	4.8
125 Fifteen Mile	587	121	57	178	32.4	7.5
Resident	556	103	57	160	30.9	7.5
Nonresident	31	18	0	18	58.1	7.6

Table 3 - Mule Deer Harvest, Hunting Pressure and Hunter Success Ratios by Area for 1979.

Area	Hunters*	Harvest**		Total	Success*	Days/* Animal Taken
		Antlered	Antlerless			
126 Neiber	348	58	71	129	37.6	6.5
Resident	269	47	41	88	32.7	6.9
Nonresident	79	11	30	41	54.4	5.7
127 Cottonwood	512	89	61	150	29.2	9.4
Resident	422	71	35	106	25.1	11.5
Nonresident	90	18	26	44	52.2	4.8
128 Wind River	1342	233	13	246	18.3	25.7
Resident	1238	227	13	240	19.4	24.3
Nonresident	104	6	0	6	5.8	81.3
129 Wind River Off						
Forest	625	80	73	153	24.5	14.4
Resident	575	76	64	140	24.3	14.7
Nonresident	50	4	9	13	26.0	11.5
130 Big Sandy	392	38	0	38	9.7	26.2
Resident	362	25	0	25	6.9	36.2
Nonresident	30	13	0	13	43.3	7.1
131 Steamboat	572	107	0	107	18.7	10.6
Resident	545	90	0	90	16.5	11.3
Nonresident	27	17	0	17	63.0	6.5
132 Cedar Mtn.	966	235	52	287	29.7	7.0
Resident	950	233	52	285	30.0	6.8
Nonresident	16	2	0	2	12.5	26.5
133 Uinta	2530	899	262	1161	47.5	6.7
Resident	2448	855	260	1115	47.1	6.7
Nonresident	82	44	2	46	58.5	6.4
134 Carter Lease	3583	1279	876	2155	62.3	3.5
Resident	3278	1087	866	1953	61.9	3.4
Nonresident	305	192	10	202	66.2	5.0
135 Lincoln	2544	1060	365	1425	57.7	5.1
Resident	2198	827	359	1186	55.7	4.9
Nonresident	346	233	6	239	70.2	5.9
136 Raymond Mtn.	779	267	38	305	40.8	7.5
Resident	682	219	38	257	39.6	7.3
Nonresident	97	48	0	48	49.5	8.5
137 West Green Riv.	1790	284	57	341	20.0	17.0
Resident	1630	234	52	286	18.3	18.5
Nonresident	160	50	5	55	36.9	9.4
138 Boulder	608	45	3	48	7.9	40.6
Resident	490	13	0	13	2.7	106.2
Nonresident	118	32	3	35	29.7	16.3
139 Pinedale	517	9	0	9	1.7	238.2
Resident	382	0	0	0	0.0	1741.0
Nonresident	135	9	0	9	6.7	44.8
140 New Fork	787	54	0	54	6.9	58.1
Resident	631	38	0	38	6.0	68.7
Nonresident	156	16	0	16	10.3	33.0
141 Green River	462	19	0	19	4.1	105.4
Resident	393	13	0	13	3.3	135.0
Nonresident	69	6	0	6	8.7	41.2
142 Piney-Horse Crk.	1154	188	0	188	16.3	25.3
Resident	946	150	0	150	15.9	25.8
Nonresident	208	38	0	38	18.3	23.1

Table 3 - Mule Deer Harvest, Hunting Pressure and Hunter Success Ratios by Area for 1979.

Area	Hunters *	Harvest**		Total	Success*	Days/* Animal Taken
		Antlered	Antlerless			
143 South Piney	1636	414	12	426	26.2	17.6
Resident	1161	214	12	226	19.5	22.4
Nonresident	475	200	0	200	42.7	12.2
144 Grey's River	2071	582	209	791	40.1	9.6
Resident	1341	254	168	422	34.4	11.0
Nonresident	730	328	41	369	50.5	7.8
145 Afton	728	154	81	235	32.7	9.7
Resident	587	104	78	182	31.0	10.5
Nonresident	141	50	3	53	39.7	7.4
146 Murphy Creek	35	6	0	6	17.1	8.2
Resident	14	0	0	0	0.0	14.0
Nonresident	21	6	0	6	28.6	5.8
147 Feedground	68	0	0	0	0.0	111.0
Resident	54	0	0	0	0.0	97.0
Nonresident	14	0	0	0	0.0	14.0
148 Teton	1009	120	23	143	14.2	30.1
Resident	858	72	23	95	11.1	36.5
Nonresident	151	48	0	48	31.8	17.0
149 Targhee	380	44	35	79	21.6	19.8
Resident	307	35	35	70	22.8	18.0
Nonresident	73	9	0	9	16.4	30.3
150 Wilson	311	28	41	69	22.2	12.2
Resident	256	12	35	47	18.4	15.4
Nonresident	55	16	6	22	40.0	5.2
151 Fall Creek	956	76	26	102	12.0	29.3
Resident	766	38	23	61	9.7	35.4
Nonresident	190	38	3	41	21.6	18.2
152 Lower Hoback	1268	138	124	262	21.7	20.7
Resident	969	87	108	195	21.5	21.6
Nonresident	299	51	16	67	22.4	17.8
153 Middle Hoback	745	49	0	49	6.6	57.4
Resident	596	23	0	23	3.9	94.2
Nonresident	149	26	0	26	17.4	24.8
154 Upper Hoback	741	53	3	56	7.6	60.0
Resident	599	25	0	25	4.2	111.4
Nonresident	142	28	3	31	21.8	18.5
155 South Grovont	844	125	42	162	19.8	20.8
Resident	705	109	36	145	20.6	20.8
Nonresident	139	16	6	22	15.8	20.7
156 Spread Creek	1268	155	95	250	19.7	21.9
Resident	1108	149	73	222	20.0	21.8
Nonresident	160	6	22	28	17.5	22.2
157 Boysen	282	27	13	40	14.2	19.7
Resident	275	25	13	38	13.8	19.9
Nonresident	7	2	0	2	28.6	14.5
158 Ormsby	839	298	183	481	58.9	2.7
Resident	723	227	165	392	56.0	2.5
Nonresident	116	71	18	89	76.7	3.6

Table 3 - Mule Deer Harvest, Hunting Pressure and Hunter Success Ratios by Area for 1979.

Area	Hunters*	Harvest**		Total	Success*	Days/* Animal Taken
		Antlered	Antlerless			
159 Crystal Creek	181	62	0	62	34.3	7.4
Resident	174	57	0	57	32.8	7.6
Nonresident	7	5	0	5	71.4	4.4
State Total	145041	38744	15047	53791	61.7	6.8
Resident	108465	23542	11395	34937	55.9	7.6
Nonresident	36576	15202	3652	18854	74.9	5.4

* Number Hunts, Hunter Percent Success and Days/Animal Taken are for Mule Deer Hunters and Whitetail Hunters

** Harvest information for 1979 is adjusted for nonresponse bias

Table 3-A

MULE DEER HARVEST STATEWIDE BY TOTAL HUNTERS

Hunt Area	Number	Antlered	HARVEST		Success*	Hunter
	Hunts		Antlerless	Total		Days
STATE TOTAL	99,273	38,744	15,047	53,791	54.1	368,787
Resident	69,095	23,542	11,395	34,937	50.5	264,409
Nonresident	30,178	15,202	3,652	18,854	62.4	104,378

*Total hunters in the state, not hunts

Table 4 - Mule Deer Harvest by Herd Unit for 1979

	Herd Unit	Number Hunts	Antlered	HARVEST		Total	Success	Hunter Days
				Antlerless				
1	Targhee	362	44	35		79	21.8	1,536
	Resident	307	35	35		70	22.8	1,263
	Nonresident	55	9	0		9	16.4	273
2	Fall Creek	2,028	214	150		364	17.9	8,309
	Resident	1,539	125	131		256	16.6	6,367
	Nonresident	489	89	19		108	22.1	1,942
3	Jackson	3,432	428	201		629	18.3	14,075
	Resident	2,927	342	167		509	17.4	12,054
	Nonresident	505	86	34		120	23.8	2,021
4	Sublette	6,643	831	18		849	12.8	27,655
	Resident	5,198	476	12		488	9.4	21,373
	Nonresident	1,445	355	6		361	25.0	6,282
5	Devil's Canyon	880	280	3		283	32.2	2,737
	Resident	767	246	0		246	32.1	2,335
	Nonresident	113	34	3		37	32.7	402
6	Horse Creek	596	172	35		207	34.7	1,589
	Resident	454	137	24		161	35.5	1,021
	Nonresident	142	35	11		46	32.4	568
7	Broken Back	1,463	267	100		367	25.1	4,525
	Resident	1,048	141	89		230	21.9	3,219
	Nonresident	415	126	11		137	33.0	1,306
8	Big Trails	4,330	1,567	689		2,257	52.1	11,235
	Resident	2,320	635	312		948	40.9	5,283
	Nonresident	2,010	932	377		1,309	65.1	5,952
9	Basin	1,398	268	189		457	32.7	3,613
	Resident	1,208	221	133		354	29.3	3,029
	Nonresident	190	47	56		103	54.2	584
10	Greybull River	1,098	304	198		502	45.7	2,604
	Resident	909	232	162		394	43.3	2,089
	Nonresident	189	72	36		108	57.1	515
11	Shoshone River	1,766	342	191		533	30.2	5,019
	Resident	1,689	326	188		514	30.4	4,864
	Nonresident	77	16	3		19	24.7	155
12	Upper Cottonwood-Owl Creek	1,209	448	179		628	51.9	2,780
	Resident	1,009	342	147		489	48.5	2,085
	Nonresident	200	106	32		139	69.5	695
13	Meeteetse	1,899	641	243		883	46.5	5,110
	Resident	1,175	302	177		479	40.8	2,491
	Nonresident	724	339	66		404	55.8	2,619
14	Southfork Shoshone	2,509	854	419		1,273	50.7	7,047
	Resident	1,814	493	408		901	49.7	4,769
	Nonresident	695	361	11		372	53.5	2,278
15	Northfork Shoshone	850	187	38		225	26.5	3,146
	Resident	558	93	35		128	22.9	2,083
	Nonresident	292	94	3		97	33.2	1,063
16	Clark's Fork	2,630	476	133		609	23.2	7,966
	Resident	2,027	314	120		434	21.4	5,927
	Nonresident	603	162	13		175	29.0	2,039
17	Trapper-Medicine Lodge	1,327	295	28		323	24.3	4,164
	Resident	986	168	23		191	19.4	3,134
	Nonresident	341	127	5		132	38.7	1,030

Table 4 - Mule Deer Harvest by Herd Unit for 1979

Herd Unit	Number Hunts	Antlered	HARVEST		Success	Hunter Days
			Antlerless	Total		
18 Copper Mountain	1,506	460	312	772	51.3	3,451
Resident	1,247	314	269	583	46.8	2,662
Nonresident	259	146	43	189	73.0	789
19 Powder River	5,971	3,146	525	3,671	61.5	16,510
Resident	3,182	1,248	323	1,571	49.4	8,214
Nonresident	2,789	1,898	202	2,100	75.3	8,296
20 Pumpkin Buttes	1,928	832	272	1,104	57.3	4,680
Resident	863	250	126	376	43.6	1,555
Nonresident	1,065	582	146	728	68.4	3,125
21 East Bighorn	5,223	1,551	493	2,044	39.1	17,068
Resident	3,490	814	334	1,148	32.9	11,447
Nonresident	1,733	737	159	896	51.7	5,621
22 Upper Powder River	4,824	2,237	811	3,048	63.2	12,992
Resident	2,172	680	409	1,089	50.1	4,836
Nonresident	2,652	1,557	402	1,959	73.9	8,156
23 Uinta-Cedar Mtn.	3,412	1,134	314	1,448	42.4	9,798
Resident	3,317	1,088	312	1,400	42.2	9,449
Nonresident	95	46	2	48	50.5	349
24 Little Mtn.-Pine Mtn.	3,141	596	13	609	19.4	6,071
Resident	3,012	517	13	530	17.6	5,669
Nonresident	129	79	0	79	61.2	402
25 Black Butte	632	130	0	130	20.6	1,205
Resident	611	115	0	115	18.8	1,155
Nonresident	21	15	0	15	71.4	50
26 South Wamsutter	101	48	0	48	47.5	210
Resident	69	25	0	25	36.2	141
Nonresident	32	23	0	23	71.9	69
27 Baggs	3,746	1,438	541	1,979	52.8	9,416
Resident	2,826	868	455	1,323	46.8	6,352
Nonresident	920	570	86	656	71.3	3,064
28 Table Rock	102	15	0	15	14.7	152
Resident	97	13	0	13	13.4	125
Nonresident	5	2	0	2	40.0	27
29 Prospect Mtn.	771	117	89	206	26.7	2,313
Resident	734	102	89	191	26.0	2,217
Nonresident	37	15	0	15	40.5	101
30 Steamboat	572	107	0	107	18.7	1,130
Resident	545	90	0	90	16.5	1,020
Nonresident	27	17	0	17	63.0	110
31 West Green River	4,922	1,611	460	2,071	42.1	15,285
Resident	4,336	1,280	449	1,729	39.9	12,963
Nonresident	586	331	11	342	58.4	2,322
32 Lincoln	2,781	742	290	1,032	37.1	9,955
Resident	1,883	358	246	604	32.0	6,644
Nonresident	898	384	44	428	47.7	3,311
33 Carter Lease	3,460	1,279	876	2,155	62.3	7,591
Resident	3,155	1,087	866	1,953	61.9	6,573
Nonresident	305	192	10	202	66.2	1,018
34 Cheyenne	707	219	107	326	46.1	1,613
Resident	657	194	101	295	44.9	1,490
Nonresident	50	25	6	31	62.0	123

Table 4 - Mule Deer Harvest by Herd Unit for 1979

	Herd Unit	Number Hunts	Antlered	HARVEST		Success	Hunter Days
				Anterless	Total		
35	Goshen Hole	882	310	158	468	53.1	2,297
	Resident	777	257	136	393	50.6	1,957
	Nonresident	105	53	22	75	71.4	340
36	Muskrat	1,009	268	206	474	47.0	2,611
	Resident	856	183	170	353	41.2	1,953
	Nonresident	153	85	36	121	79.1	658
37	Laramie Peak	2,383	836	474	1,310	55.0	5,974
	Resident	1,917	522	431	953	49.7	4,376
	Nonresident	466	314	43	351	76.6	1,598
38	Iron Mountain	2,802	1,365	293	1,658	59.2	5,707
	Resident	2,445	1,127	269	1,396	57.1	4,827
	Nonresident	357	238	24	262	73.4	880
39	Sheep Mountain	3,921	497	287	784	20.0	10,004
	Resident	3,631	414	273	687	18.9	9,036
	Nonresident	290	83	14	97	33.4	968
40	Shirley Mnt.	2,126	622	328	950	44.7	4,665
	Resident	1,840	492	295	787	42.8	3,674
	Nonresident	286	130	33	163	57.0	991
41	Platte Valley	6,773	1,656	619	2,275	33.6	18,132
	Resident	5,852	1,241	594	1,835	31.4	15,174
	Nonresident	921	415	25	440	47.8	2,958
42	Dubois	1,967	313	86	399	20.3	8,533
	Resident	1,813	303	77	380	21.0	7,896
	Nonresident	154	10	9	19	12.3	637
43	Project	282	27	13	40	14.2	787
	Resident	275	25	13	38	13.8	758
	Nonresident	7	2	0	2	28.6	29
44	Lander	2,896	597	558	1,155	39.9	9,066
	Resident	2,750	560	523	1,083	39.4	8,639
	Nonresident	146	37	35	72	49.3	427
45	Hall Creek	1,761	241	232	473	26.9	3,947
	Resident	1,677	216	228	444	26.5	3,709
	Nonresident	84	25	4	29	34.5	238
46	Green Mountain	728	204	0	204	28.0	2,383
	Resident	692	189	0	189	27.3	2,256
	Nonresident	36	15	0	15	41.7	127
47	Ferris	1,130	322	0	322	28.5	3,141
	Resident	990	264	0	264	26.7	2,637
	Nonresident	140	58	0	58	41.4	504
48	Beaver Rim	1,906	244	182	426	22.4	4,221
	Resident	1,827	217	178	395	21.6	3,992
	Nonresident	79	27	4	31	39.2	229
49	Badwater	1,903	701	255	956	50.2	3,935
	Resident	1,443	459	197	655	45.4	2,697
	Nonresident	460	242	58	301	65.4	1,238
50	Chain Lakes	130	29	0	29	22.3	261
	Resident	121	25	0	25	20.7	227
	Nonresident	9	4	0	4	44.4	34
51	Black Hills	3,884	1,375	853	2,228	57.4	13,375
	Resident	1,463	380	151	531	36.3	4,926
	Nonresident	2,421	995	702	1,697	70.1	8,449

Table 4 - Mule Deer Harvest by Herd Unit for 1979

Herd Unit	Number Hunts	Antlered	HARVEST		Success	Hunter Days
			Antlerless	Total		
52 Thunder Basin	2,241	1,068	281	1,349	60.2	7,101
Resident	884	254	112	366	41.4	2,252
Nonresident	1,357	814	169	983	72.4	4,849
53 Lance Creek	3,046	1,195	935	2,130	69.9	8,561
Resident	1,336	377	466	843	63.1	2,598
Nonresident	1,710	818	469	1,287	75.3	5,963
54 West Bill	869	305	204	509	58.5	1,687
Resident	560	146	124	270	48.2	821
Nonresident	309	159	80	239	77.3	866
55 Ormsby	816	298	183	481	58.9	1,298
Resident	700	227	165	392	56.0	979
Nonresident	116	71	18	89	76.7	319
56 South Converse	3,333	1,288	592	1,880	56.4	7,819
Resident	2,578	762	521	1,283	49.8	5,377
Nonresident	755	526	71	597	79.1	2,442
57 Bates Hole-Hat Six	2,751	984	294	1,278	46.5	6,096
Resident	2,381	738	279	1,017	42.7	4,889
Nonresident	370	246	15	261	70.5	1,207
58 Rattlesnake	1,030	360	40	400	38.8	2,150
Resident	916	278	38	316	34.5	1,815
Nonresident	114	82	2	84	73.7	335
59 North Natrona	1,159	358	22	380	32.8	2,759
Resident	913	215	0	215	23.5	2,041
Nonresident	246	143	22	165	67.1	718
STATE TOTAL	129,892	38,734	15,047	53,782	41.4	368,787
Resident	98,516	23,516	11,360	34,876	35.4	264,409
Nonresident	31,376	15,218	3,687	18,906	60.3	104,378

Table 5 - Whitetail Deer Harvest by Area for 1979*

Hunt Area	HARVEST			Hunter Days
	Antlered	Antlerless	Total	
1 Crook	460	475	935	4994
Resident	135	113	248	2032
Nonresident	325	362	687	2962
2 Bear Lodge	1601	1365	2966	18002
Resident	447	271	718	7166
Nonresident	1154	1094	2248	10836
3 Keyhole	204	191	395	2593
Resident	96	101	197	1379
Nonresident	108	90	198	1214
4 Sand Creek	358	191	549	6418
Resident	223	83	306	4683
Nonresident	135	108	243	1735
5 Inyan Kara	81	51	132	1099
Resident	45	33	78	678
Nonresident	36	18	54	421
6 Skull Creek	46	9	55	522
Resident	37	0	37	416
Nonresident	9	9	18	106
8 Upton-Four Horse	31	13	44	158
Resident	13	13	26	87
Nonresident	18	0	18	71
10 Hampshire	0	13	13	156
Resident	0	13	13	156
Nonresident	0	0	0	0
11 Mule Deer	9	0	9	52
Resident	0	0	0	0
Nonresident	9	0	9	52
13 Lusk	31	30	61	127
Resident	0	16	16	59
Nonresident	1	14	15	68
14 Twenty Mile	13	28	41	114
Resident	13	25	38	100
Nonresident	0	3	3	14
16 Jay Em	13	0	13	69
Resident	13	0	13	69
Nonresident	0	0	0	0
17 Northwest Gillette	21	0	21	108
Resident	12	0	12	76
Nonresident	9	0	9	32
18 Campbell	39	13	52	259
Resident	12	13	25	126
Nonresident	27	0	27	133
23 Clearmont	165	34	199	954
Resident	160	34	194	935
Nonresident	5	0	5	19
24 Sheridan	286	91	377	2513
Resident	264	80	344	2316
Nonresident	22	11	33	197
25 Tongue-Goose	12	12	24	387
Resident	12	12	24	387
Nonresident	0	0	0	0

*Number of Hunts, Hunter Percent Success, and Days/Animal Taken are same as that for Mule Deer in each Hunt Area.

Table 5 - Whitetail Deer Harvest by Area for 1979*

Hunt Area	Antlered	HARVEST		Hunter Days
		Antlerless	Total	
26 Ucross	81	24	105	546
Resident	70	24	94	507
Nonresident	11	0	11	39
27 Buffalo	62	103	165	780
Resident	46	92	138	679
Nonresident	16	11	27	101
28 Hunter Mesa	0	46	46	690
Resident	0	46	46	690
Nonresident	0	0	0	0
29 Johnson	24	13	37	172
Resident	24	13	37	172
Nonresident	0	0	0	0
30 Upper Powder Riv.	13	34	47	263
Resident	13	23	36	217
Nonresident	0	11	11	46
31 Nine Mile	16	0	16	63
Resident	0	0	0	0
Nonresident	16	0	16	63
33 Red Fork	41	41	82	293
Resident	25	36	61	209
Nonresident	16	5	21	84
37 Copper Mountain	12	13	25	106
Resident	12	13	25	106
Nonresident	0	0	0	0
39 Bates Creek	12	0	12	64
Resident	12	0	12	64
Nonresident	0	0	0	0
40 Buffalo Creek	0	24	24	97
Resident	0	24	24	97
Nonresident	0	0	0	0
41 Sand Creek	12	23	35	286
Resident	12	23	35	286
Nonresident	0	0	0	0
42 Otter Creek	5	0	5	21
Resident	0	0	0	0
Nonresident	5	0	5	21
43 Canyon Creek	5	0	5	40
Resident	0	0	0	0
Nonresident	5	0	5	40
48 Upper Medicine-Lodge Crk	0	12	12	196
Resident	0	12	12	196
Nonresident	0	0	0	0
50 Upper Shell Creek - Beaver Creek	12	0	12	78
Resident	12	0	12	78
Nonresident	0	0	0	0
55 Rock Eagle	24	0	24	131
Resident	24	0	24	131
Nonresident	0	0	0	0

*Number of Hunts, Hunter Percent Success, and Days/Animal Taken are same as that for Mule Deer in each Hunt Area.

Table 5 - Whitetail Deer Harvest by Area for 1979*

Hunt Area	Antlered	HARVEST Antlerless	Total	Hunter Days
56 Uva	16	0	16	66
Resident	13	0	13	53
Nonresident	3	0	3	13
57 Southeast	25	0	25	164
Resident	25	0	25	164
Nonresident	0	0	0	0
58 Horse Creek	0	2	2	8
Resident	0	2	2	8
Nonresident	0	0	0	0
60 Pole Mountain	14	2	16	73
Resident	14	2	16	73
Nonresident	0	0	0	0
61 Harriman	0	1	1	5
Resident	0	1	1	5
Nonresident	0	0	0	0
62 Iron Mountain	0	3	3	9
Resident	0	3	3	9
Nonresident	0	0	0	0
63 Richeau	25	0	25	72
Resident	25	0	25	72
Nonresident	0	0	0	0
64 Laramie Peak	28	38	66	307
Resident	25	38	63	294
Nonresident	3	0	3	13
65 N. Laramie Peak	80	95	175	721
Resident	73	88	161	664
Nonresident	7	7	14	57
66 Hat Six	13	13	26	126
Resident	13	13	26	126
Nonresident	0	0	0	0
68 Lower Bates Creek	13	0	13	44
Resident	13	0	13	44
Nonresident	0	0	0	0
70 Hanna-Muddy Creek	13	0	13	91
Resident	13	0	13	91
Nonresident	0	0	0	0
71 Shirley Mountain	0	16	16	69
Resident	0	13	13	51
Nonresident	0	3	3	18
72 Pedro Mountain	13	0	13	50
Resident	13	0	13	50
Nonresident	0	0	0	0
75 Four Mile	0	2	2	38
Resident	0	2	2	38
Nonresident	0	0	0	0
80 Spring Creek	13	13	26	148
Resident	13	13	26	148
Nonresident	0	0	0	0
81 Blackhill	13	0	13	88
Resident	13	0	13	88
Nonresident	0	0	0	0

*Number of Hunts, Hunter Percent Success, and Days/Animal Taken are same as that for Mule Deer in each Hunt Area.

Table 5 - Whitetail Deer Harvest by Area for 1979*

Hunt Area	Antlered	HARVEST		Hunter Days
		Antlerless	Total	
82 Baggs	10	13	23	104
Resident	0	13	13	58
Nonresident	10	0	10	46
87 Ferris	0	13	13	124
Resident	0	13	13	124
Nonresident	0	0	0	0
88 Kendrick	13	0	13	92
Resident	13	0	13	92
Nonresident	0	0	0	0
92 Table Mountain	13	2	15	100
Resident	13	0	13	91
Nonresident	0	2	2	9
93 Upper Sweetwater	0	13	13	102
Resident	0	13	13	102
Nonresident	0	0	0	0
94 Twin Creek	0	13	13	75
Resident	0	13	13	75
Nonresident	0	0	0	0
102 Aspen Mountain	2	0	2	10
Resident	0	0	0	0
Nonresident	2	0	2	10
106 Crandall	0	13	13	155
Resident	0	13	13	155
Nonresident	0	0	0	0
109 Bald Ridge	5	0	5	33
Resident	0	0	0	0
Nonresident	5	0	5	33
120 Hamilton Dome	3	0	3	15
Resident	0	0	0	0
Nonresident	3	0	3	15
123 Lovell	37	0	37	212
Resident	34	0	34	205
Nonresident	3	0	3	7
124 Emblem	22	28	50	257
Resident	12	23	35	186
Nonresident	10	5	15	71
125 Fifteen Mile	0	12	12	90
Resident	0	12	12	90
Nonresident	0	0	0	0
126 Neiber	0	2	2	11
Resident	0	0	0	0
Nonresident	0	2	2	11
127 Cottonwood	3	0	3	14
Resident	0	0	0	0
Nonresident	3	0	3	14
133 Uinta	38	2	40	269
Resident	38	0	38	256
Nonresident	0	2	2	13

*Number of Hunts, Hunter Percent Success, and Days/Animal Taken are same as that for Mule Deer in each Hunt Area.

Table 5 - Whitetail Deer Harvest by Area for 1979*

Hunt Area	Antlered	HARVEST Antlerless	Total	Hunter Days
134 Carter Lease	38	38	76	256
Resident	38	38	76	256
Nonresident	0	0	0	0
135 Lincoln	28	15	43	214
Resident	26	13	39	191
Nonresident	2	2	4	23
136 Raymond Mountain	13	0	13	95
Resident	13	0	13	95
Nonresident	0	0	0	0
137 West Green River	17	0	17	277
Resident	13	0	13	240
Nonresident	4	0	4	37
143 South Piney	3	0	3	37
Resident	0	0	0	0
Nonresident	3	0	3	37
144 Greys River	13	26	39	428
Resident	13	26	39	428
Nonresident	0	0	0	0
145 Afton	3	0	3	22
Resident	0	0	0	0
Nonresident	3	0	3	22
149 Targhee	3	0	3	91
Resident	0	0	0	0
Nonresident	3	0	3	91
151 Fall Creek	0	13	13	460
Resident	0	13	13	460
Nonresident	0	0	0	0
152 Lower Hoback	13	0	13	280
Resident	13	0	13	280
Nonresident	0	0	0	0
158 Ormsby	13	0	13	32
Resident	13	0	13	32
Nonresident	0	0	0	0
State Total	4215	3237	7452	48285
Resident	2224	1478	3702	29491
Nonresident	1991	1759	3750	18794

*Number of Hunts, Hunter Percent Success, and Days/Animal Taken are same as that for Mule Deer in each Hunt Area.

Table 6 - Whitetail Deer Harvest by Herd Unit for 1979

Herd Unit	Antlered	HARVEST		Hunter Days
		Antlerless	Total	
1 Bighorn Basin	140	185	325	2,752
Resident	106	178	284	2,540
Nonresident	34	7	41	212
2 Thunder Basin	93	97	190	866
Resident	38	80	118	528
Nonresident	55	17	72	338
3 Powder River	709	340	1,049	5,692
Resident	614	302	916	5,111
Nonresident	95	38	133	581
4 Southeast Wyoming	127	34	162	772
Resident	121	34	156	748
Nonresident	6	0	6	24
5 Laramie River	66	37	103	571
Resident	66	34	100	553
Nonresident	0	3	3	18
6 Black Hills	2,750	2,282	5,032	33,628
Resident	983	601	1,584	16,354
Nonresident	1,767	1,681	3,448	17,274
7 Central	123	114	237	1,028
Resident	116	107	223	969
Nonresident	7	7	14	59
Rest of State	207	148	355	2,976
Resident	180	142	322	2,688
Nonresident	27	6	33	288
State Totals	4,215	3,237	7,453	48,285
Resident	2,224	1,478	3,703	29,491
Nonresident	1,991	1,759	3,750	18,794

Table 7 - Elk Harvest, Hunting Pressure and Hunter Success Ratios by Area for 1979.

Area	Hunters	Harvest*					Success	Days/ Animal Taken
		Bull	Spike	Cow	Calf	Total		
1 Black Hills	51	6	4	0	3	13	25.5	19.1
Resident	43	4	4	0	1	9	20.9	22.1
Nonresident	8	2	0	0	2	4	50.0	12.3
2 Fortification (closed)								
3 Muskrat	40	0	0	10	5	15	37.5	5.7
Resident	40	0	0	10	5	15	37.5	5.7
Nonresident	0	0	0	0	0	0	0	0
4 Rawhide Butte	16	0	0	2	0	2	12.5	18.0
Resident	16	0	0	2	0	2	12.5	18.0
Nonresident	0	0	0	0	0	0	0	0
5 Iron Mountain	52	5	17	2	0	24	46.2	6.6
Resident	50	5	15	2	0	22	44.0	7.0
Nonresident	2	0	2	0	0	2	100.0	1.5
6 Pole Mountain (closed)								
7 Laramie Peak	907	82	42	90	27	241	26.6	11.0
Resident	859	69	40	86	25	220	25.6	11.2
Nonresident	48	13	2	4	2	21	43.8	8.2
8 Boulder Ridge	208	5	0	13	0	18	8.7	28.3
Resident	206	3	0	13	0	16	7.8	31.7
Nonresident	2	2	0	0	0	2	100.0	1.0
9 South Snowy Range	2086	95	106	101	17	319	15.3	20.8
Resident	2051	92	103	97	15	307	15.0	21.0
Nonresident	35	3	3	4	2	12	34.3	14.2
10 Rock Creek	1084	43	40	89	19	191	17.6	18.4
Resident	1060	42	37	88	17	184	17.4	18.7
Nonresident	24	1	3	1	2	7	29.2	12.6
11 Medicine Bow Riv.	824	3	26	23	8	60	7.3	50.4
Resident	805	2	25	22	8	57	7.1	50.9
Nonresident	19	1	1	1	0	3	15.8	40.3
12 Kennaday Peak	2074	94	95	99	103	391	18.9	20.4
Resident	2000	89	84	88	100	361	18.0	21.2
Nonresident	74	5	11	11	3	30	40.5	10.6
13 Big Creek	1027	65	35	28	0	128	12.5	27.4
Resident	977	47	35	19	0	101	10.3	32.9
Nonresident	50	18	0	9	0	27	54.0	6.9
14 Hog Park	1283	50	28	19	7	104	8.1	36.8
Resident	1231	50	26	16	4	96	7.8	37.8
Nonresident	52	0	2	3	3	8	15.4	25.3
15 Spring Creek	1451	43	41	32	16	132	9.1	31.2
Resident	1399	41	38	29	10	118	8.4	33.6
Nonresident	52	2	3	3	6	14	26.9	11.3
16 Shirley Mtn.	287	35	15	111	15	176	61.3	6.3
Resident	242	26	11	92	15	144	59.5	6.4
Nonresident	45	9	4	19	0	32	71.1	5.9

Table 7 - Elk Harvest, Hunting Pressure and Hunter Success Ratios by Area for 1979.

Area	Hunters	Harvest*				Total	Success	Days/ Animal Taken
		Bull	Spike	Cow	Calf			
33 Middle Fork	269	13	19	70	16	118	43.9	11.2
Resident	228	9	13	64	16	102	44.7	10.9
Nonresident	41	4	6	6	0	16	39.0	13.6
34 Upper Powder Riv.	755	39	41	97	25	202	26.8	19.0
Resident	643	26	35	72	21	154	24.0	20.1
Nonresident	112	13	6	25	4	48	42.9	15.4
35 Hunter Mesa	1320	48	16	37	5	106	8.0	52.9
Resident	1254	40	14	34	5	93	7.4	56.6
Nonresident	66	8	2	3	0	13	19.7	26.5
36 Rock Creek	1087	60	105	35	5	205	18.9	24.6
Resident	1028	58	100	31	5	194	18.9	24.4
Nonresident	59	2	5	4	0	11	18.6	27.9
37 Goose	2590	236	102	185	29	552	21.3	21.1
Resident	2506	221	100	174	27	522	20.8	21.5
Nonresident	84	15	2	11	2	30	35.7	14.4
38 Tongue	3610	224	126	235	42	627	17.4	28.0
Resident	3442	199	117	213	40	569	16.5	29.2
Nonresident	168	25	9	22	2	58	34.5	16.0
39 Deer Creek	790	41	18	47	3	109	13.8	28.1
Resident	757	37	18	44	3	102	13.5	28.1
Nonresident	33	4	0	3	0	7	21.2	28.1
40 Horse Creek	563	7	51	68	9	135	24.0	19.2
Resident	522	4	51	61	4	120	23.0	19.6
Nonresident	41	3	0	7	5	15	36.6	16.5
41 Trapper Creek	940	35	38	46	26	145	15.4	21.5
Resident	894	35	36	36	24	131	14.7	22.3
Nonresident	46	0	2	10	2	14	30.4	14.1
42 Manderson	536	5	0	12	0	17	3.2	96.1
Resident	517	5	0	12	0	17	3.3	93.4
Nonresident	19	0	0	0	0	0	0	47.0
43 Lower Nowood	600	2	2	21	0	25	4.2	78.8
Resident	557	0	0	21	0	21	3.8	82.5
Nonresident	43	2	2	0	0	4	9.3	59.3
44 Upper Shell Creek	811	31	21	44	2	98	12.1	27.3
Resident	765	29	17	36	0	82	10.7	29.9
Nonresident	46	2	4	8	2	16	34.8	14.1
45 Paintrock Creek	2147	67	103	107	17	294	13.7	30.7
Resident	2034	61	91	100	15	267	13.1	31.4
Nonresident	113	6	12	7	2	27	23.9	23.5
46 Leigh Creek	747	19	29	9	0	57	7.6	41.0
Resident	716	17	27	8	0	52	7.3	42.1
Nonresident	31	2	2	1	0	5	16.1	29.2
47 Copper Mountain	93	14	8	18	2	42	45.2	8.3
Resident	75	11	6	18	2	37	49.3	6.8
Nonresident	18	3	2	0	0	5	27.8	18.8
48 Upper Nowood	302	41	38	98	29	206	68.2	4.5
Resident	264	29	26	91	29	175	66.3	4.7
Nonresident	38	12	12	7	0	31	81.6	3.3

Table 7 - Elk Harvest, Hunting Pressure and Hunter Success Ratios by Area for 1979.

Area	Hunters	Harvest*				Total	Success	Days/ Animal Taken
		Bull	Spike	Cow	Calf			
17 Pedro Mountain	77	5	0	12	2	19	24.7	13.0
Resident	66	2	0	9	2	13	19.7	17.8
Nonresident	11	3	0	3	0	6	54.5	2.5
18 Bear Creek	48	2	0	0	0	2	4.2	83.0
Resident	45	2	0	0	0	2	4.4	81.5
Nonresident	3	0	0	0	0	0	0	3.0
19 Muddy Mountain	174	27	6	26	22	81	46.6	8.8
Resident	149	19	5	23	22	69	46.3	8.1
Nonresident	25	8	1	3	0	12	48.0	13.2
20 North Laramie Peak	762	79	37	77	25	218	28.6	10.5
Resident	721	66	33	71	25	195	27.0	10.9
Nonresident	41	13	4	6	0	23	56.1	7.0
21 Baggs	3197	181	285	219	31	716	22.4	16.8
Resident	3079	169	279	180	31	659	21.4	17.4
Nonresident	118	12	6	39	0	57	48.3	9.9
22 Ferris	93	14	6	22	1	43	46.2	9.3
Resident	70	9	3	19	1	32	45.7	8.9
Nonresident	23	5	3	3	0	11	47.8	10.4
23 Rattlesnake	38	7	0	15	0	22	57.9	5.8
Resident	36	7	0	15	0	22	61.1	5.6
Nonresident	2	0	0	0	0	0	0	3.0
24 Green Mountain	187	15	18	39	9	81	43.3	11.9
Resident	161	12	14	33	5	64	39.8	13.0
Nonresident	26	3	4	6	4	17	65.4	7.9
25 South Pass	95	0	3	5	0	8	8.4	67.0
Resident	84	0	0	2	0	2	2.4	244.0
Nonresident	11	0	3	3	0	6	54.5	8.0
26 Twin Creek	443	1	17	9	4	31	7.0	54.0
Resident	423	0	17	8	3	28	6.6	57.6
Nonresident	20	1	0	1	1	3	15.0	20.0
27 Upper Sweetwater	405	44	10	19	4	77	19.0	21.6
Resident	393	42	8	16	2	68	17.3	23.6
Nonresident	12	2	2	3	2	9	75.0	7.1
28 Cony Mountain	1426	68	43	79	27	217	15.2	30.4
Resident	1370	67	42	75	26	210	15.3	30.3
Nonresident	56	1	1	4	1	7	12.5	32.3
29 Mount Arter	922	68	51	27	5	151	16.4	26.2
Resident	866	59	47	23	5	134	15.5	27.6
Nonresident	56	9	4	4	0	17	30.4	15.1
30 Aspen Mountain	45	4	2	19	2	37	60.0	6.8
Resident	38	4	2	16	2	24	63.2	6.6
Nonresident	7	0	0	3	0	3	42.9	8.3
31 Little Mountain	63	10	13	19	6	48	76.2	4.8
Resident	44	8	5	14	6	33	75.0	5.7
Nonresident	19	2	8	5	0	15	78.9	2.7
32 Pine Mountain	49	6	0	15	2	23	46.9	8.2
Resident	34	6	0	13	0	19	55.9	5.1
Nonresident	15	0	0	2	2	4	26.7	22.8

Table 7 - Elk Harvest, Hunting Pressure and Hunter Success Ratios by area for 1979.

Area	Hunters	Harvest*					Success	Days/ Animal Taken
		Bull	Spike	Cow	Calf	Total		
49 Otter Creek	998	40	58	63	2	163	16.3	20.1
Resident	941	37	57	62	2	158	16.8	19.3
Nonresident	57	3	1	1	0	5	8.8	43.4
50 Beartooth	686	37	28	27	12	104	15.2	23.8
Resident	663	37	28	27	11	103	15.5	23.4
Nonresident	23	0	0	0	1	1	4.3	71.0
51 Crandell	787	56	7	61	16	140	17.8	22.7
Resident	732	31	5	57	16	109	14.9	25.7
Nonresident	55	25	2	4	0	31	56.4	12.3
52 Sunlight	986	58	61	124	13	256	26.0	11.8
Resident	935	50	58	115	13	236	25.2	11.6
Nonresident	51	8	3	9	0	20	39.2	13.9
53 Dead Indian	238	5	2	15	0	22	9.2	38.5
Resident	214	2	0	15	0	17	7.9	42.9
Nonresident	24	3	2	0	0	5	20.8	23.2
54 Bald Ridge	642	60	35	16	0	111	17.3	17.3
Resident	602	60	33	16	0	109	18.1	16.1
Nonresident	40	0	2	0	0	2	5.0	83.0
55 Grinnell	830	115	23	14	3	155	18.7	18.7
Resident	776	109	23	14	3	149	19.2	17.6
Nonresident	54	6	0	0	0	6	11.1	45.0
56 Elk Fort	720	68	39	20	3	130	18.1	22.6
Resident	656	57	37	20	3	117	17.8	22.2
Nonresident	64	11	2	0	0	13	20.3	26.2
57 Ishawooa	536	58	33	48	5	144	26.9	12.4
Resident	477	47	30	48	5	130	27.3	11.4
Nonresident	59	11	3	0	0	14	23.7	20.9
58 Boulder	709	70	107	32	6	215	30.3	13.5
Resident	658	64	98	32	6	200	30.4	13.3
Nonresident	51	6	9	0	0	15	29.4	16.1
59 Wall Mountain	145	33	2	0	2	37	25.5	18.4
Resident	122	26	0	0	2	28	23.0	18.9
Nonresident	23	7	2	0	0	9	39.1	16.6
60 Thorofare	443	129	39	26	2	196	44.2	12.8
Resident	222	55	14	12	0	81	36.5	14.4
Nonresident	221	74	25	14	2	115	52.0	11.7
61 North Greybull River	768	94	73	144	23	334	43.5	9.7
Resident	704	79	68	135	21	303	43.0	9.7
Nonresident	64	15	5	9	2	31	48.4	9.5
62 South Greybull River	608	47	41	70	6	164	27.0	11.7
Resident	558	42	36	68	6	152	27.2	11.1
Nonresident	50	5	5	2	0	12	24.0	19.6
63 Wood River-								
Gooseberry Creek	551	24	48	61	15	148	26.9	14.8
Resident	512	19	45	50	15	129	25.2	14.6
Nonresident	39	5	3	11	0	19	48.7	16.8
64 Owl Creek	422	39	24	20	0	83	19.7	17.5
Resident	410	36	24	16	0	76	18.5	18.6
Nonresident	12	3	0	4	0	7	58.3	5.7

Table 7 - Elk Harvest, Hunting Pressure and Hunter Success Ratios by Area for 1979.

Area	Hunters	Harvest*					Success	Days/ Animal Taken
		Bull	Spike	Cow	Calf	Total		
65 McCullough Peaks (closed)								
66 Basin (closed)								
67 Wiggins Fork	2805	197	194	378	69	838	29.9	15.6
Resident	2518	142	174	329	62	707	28.1	16.2
Nonresident	287	55	20	49	7	131	45.6	12.6
68 Warm Springs	1460	32	19	72	12	135	9.2	46.5
Resident	1367	27	19	69	12	127	9.3	46.3
Nonresident	93	5	0	3	0	8	8.6	50.1
69 Whiskey Mountain	456	19	2	38	16	75	16.4	21.2
Resident	402	16	0	35	16	67	16.7	19.1
Nonresident	54	3	2	3	0	8	14.8	38.8
70 Buffalo Fork	2943	214	94	205	94	607	20.6	20.2
Resident	2741	184	81	189	89	543	19.8	20.6
Nonresident	202	30	13	16	5	64	31.7	16.8
71 Pacific Creek	2015	164	51	116	28	359	17.8	26.8
Resident	1712	79	44	111	25	259	15.1	30.2
Nonresident	303	85	7	5	3	100	33.0	18.1
72 Berry Creek (closed)								
73 Targhee Alta	351	12	6	5	0	23	6.6	55.0
Resident	279	3	0	2	0	5	1.8	180.6
Nonresident	72	9	6	3	0	18	25.0	20.1
74 Ditch Creek	421	3	0	16	25	44	10.5	27.8
Resident	388	0	0	8	23	31	8.0	33.7
Nonresident	33	3	0	8	2	13	39.4	13.8
75 Snake River	147	0	0	40	21	61	41.5	8.3
Resident	112	0	0	30	19	49	43.8	7.4
Nonresident	35	0	0	10	2	12	34.3	11.8
76 Blacktail	692	0	0	349	134	483	69.2	4.6
Resident	532	0	0	298	94	392	73.7	4.8
Nonresident	160	0	0	51	40	91	56.9	3.7
77 Flat Creek	722	7	27	184	39	257	33.1	2.4
Resident	720	7	27	171	39	244	33.9	2.5
Nonresident	57	0	0	13	0	13	22.8	.8
78 Wilson	143	0	0	35	14	49	34.3	6.7
Resident	131	0	0	35	12	47	35.9	5.9
Nonresident	12	0	0	0	2	2	16.7	26.0
79 Teton Park	530	54	16	54	23	147	27.7	19.7
Resident	406	24	13	47	19	103	25.4	21.0
Nonresident	124	30	3	7	4	44	35.5	16.7
80 Sheep Creek	1170	11	20	168	24	223	19.1	18.2
Resident	1086	0	17	168	24	209	19.2	17.5
Nonresident	84	11	3	0	0	14	16.7	28.4
81 Spread Creek	3313	193	123	256	68	640	19.3	23.6
Resident	2977	133	98	226	66	523	17.6	25.3
Nonresident	336	60	25	30	2	117	34.8	15.9
82 Crystal Creek	1031	71	52	84	48	255	24.7	19.1
Resident	832	48	31	79	48	206	24.8	18.8
Nonresident	199	23	21	5	0	49	24.6	20.4

Table 7 - Elk Harvest, Hunting Pressure and Hunter Success Ratios by Area for 1979.

Area	Hunters	Harvest*					Success	Days/ Animal Taken
		Bull	Spike	Cow	Calf	Total		
83 Upper Gros Ventre	674	93	32	59	12	196	29.1	17.2
Resident	569	75	27	42	12	156	27.4	17.9
Nonresident	105	18	5	17	0	40	38.1	14.6
84 Lower Hoback	1981	194	105	145	64	508	25.6	18.0
Resident	1725	138	79	132	64	413	23.9	18.8
Nonresident	256	56	26	13	0	95	37.1	14.4
85 Fall Creek	2255	143	131	386	35	695	30.8	13.2
Resident	1932	75	99	366	32	572	29.5	13.3
Nonresident	319	68	32	20	3	123	38.6	12.7
86 Middle Hoback	781	38	20	61	6	125	16.0	29.5
Resident	658	24	18	51	3	96	14.6	31.6
Nonresident	123	14	2	10	3	29	23.6	22.5
87 Upper Hoback	1203	59	28	183	20	290	24.1	18.2
Resident	1065	40	21	162	18	241	22.6	19.1
Nonresident	138	19	7	21	2	49	35.5	13.8
88 Grey's Feedground	152	10	4	34	16	64	42.1	9.5
Resident	124	4	4	27	16	51	41.1	9.6
Nonresident	28	6	0	7	0	13	46.4	8.9
89 Murphy Creek	186	4	6	13	3	26	14.0	26.4
Resident	161	0	3	13	3	19	11.8	30.8
Nonresident	25	4	3	0	0	7	28.0	14.4
90 Middle Ridge	507	25	52	13	10	100	19.7	21.9
Resident	458	23	49	10	10	92	20.1	21.6
Nonresident	49	2	3	3	0	8	16.3	25.4
91 Afton	2017	181	85	97	20	383	19.0	21.2
Resident	1757	137	57	92	20	306	17.4	22.1
Nonresident	260	44	28	5	0	77	29.6	17.4
92 Piney-Horse Creek	992	97	74	67	15	253	25.5	18.0
Resident	930	88	71	58	12	229	24.6	18.6
Nonresident	62	9	3	9	3	24	38.7	11.8
93 Lower Piney	390	0	8	18	3	29	7.4	49.1
Resident	353	0	0	16	3	19	5.4	64.6
Nonresident	37	0	8	2	0	10	27.0	19.6
94 South Piney	1323	61	83	138	25	307	23.2	20.9
Resident	1202	48	74	125	22	269	22.4	20.8
Nonresident	121	13	9	13	3	38	31.4	22.0
95 Green River	293	32	19	59	9	119	40.6	11.6
Resident	196	15	15	35	5	70	35.7	12.7
Nonresident	97	17	4	24	4	49	50.5	10.1
96 New Fork	1463	117	48	120	26	311	21.3	22.5
Resident	1331	90	40	103	26	259	19.5	24.1
Nonresident	132	27	8	17	0	52	39.4	14.3
97 Pinedale	709	76	18	53	22	169	23.8	18.3
Resident	610	58	12	44	19	133	21.8	19.0
Nonresident	99	18	6	9	3	36	36.4	15.8
98 Boulder	1169	117	21	73	18	229	19.6	21.6
Resident	1108	106	18	68	16	208	18.8	22.0
Nonresident	61	11	3	5	2	21	34.4	17.1
99 Big Sandy	652	37	8	42	14	101	15.5	29.7
Resident	621	34	7	42	14	97	15.6	29.5
Nonresident	31	3	1	0	0	4	12.9	34.5

Table 7 - Elk Harvest, Hunting Pressure and Hunter Success Ratios by Area for 1979.

Area	Hunters	Harvest*				Total	Success	Days/ Animal Taken
		Bull	Spike	Cow	Calf			
100 Steamboat	103	24	15	23	6	68	66.0	3.9
Resident	89	17	15	22	6	60	67.4	3.9
Nonresident	14	7	0	1	0	8	57.1	4.1
101 White Mountain	19	5	0	2	0	7	36.8	6.6
Resident	19	5	0	2	0	7	36.8	6.6
Nonresident	0	0	0	0	0	0	.0	.0
102 West Green River	1729	100	86	150	18	354	20.5	20.9
Resident	1645	98	80	139	16	333	20.2	21.0
Nonresident	84	2	6	11	2	21	25.0	19.3
103 Raymond Mountain	807	50	57	38	2	147	18.2	18.7
Resident	755	47	49	34	0	130	17.2	19.3
Nonresident	52	3	8	4	2	17	32.7	14.0
104 Lincoln	1635	54	135	110	16	315	19.3	21.0
Resident	1488	35	117	100	13	265	17.8	21.7
Nonresident	147	19	18	10	3	50	34.0	17.1
105 Carter Lease	260	0	0	12	0	12	4.6	59.3
Resident	260	0	0	12	0	12	4.6	59.3
Nonresident	0	0	0	0	0	0	.0	.0
106 Uinta	783	27	12	26	12	77	9.8	37.6
Resident	775	27	12	26	12	77	9.9	37.1
Nonresident	8	0	0	0	0	0	.0	40.0
107 Cedar Mountain	37	0	0	0	0	0	.0	63.0
Resident	37	0	0	0	0	0	.0	63.0
Nonresident	0	0	0	0	0	0	.0	.0
108 South Rawlins	96	6	8	30	4	48	50.0	7.1
Resident	78	4	4	26	2	36	46.2	7.6
Nonresident	18	2	4	4	2	12	66.7	5.8
109 Dickie Sprinfs	24	2	1	2	0	5	20.8	12.4
Resident	23	2	0	2	0	4	17.4	14.5
Nonresident	1	0	1	0	0	1	100.0	4.0
110 Upper Platte River	2349	70	144	134	26	374	15.9	26.8
Resident	2291	56	141	126	24	347	15.1	27.9
Nonresident	58	14	3	8	2	27	46.6	11.7
111 Seminoe	44	4	4	2	0	10	22.7	18.4
Resident	35	4	2	0	0	6	17.1	23.2
Nonresident	9	0	2	2	0	4	44.4	11.3
112 Medicine Lodge	906	21	47	73	0	141	15.6	23.5
Resident	845	17	41	59	0	117	13.8	25.5
Nonresident	61	4	6	14	0	24	39.3	14.0
113 Rochelle Hills (closed)								
114 Arlington	13	3	0	0	0	3	23.1	15.3
Resident	13	3	0	0	0	3	23.1	15.3
Nonresident	0	0	0	0	0	0	.0	.0
115 Nowood (closed)								
State Total	90449	5499	4132	7254	1695	18580	33.0	19.6
Resident	83302	4407	3639	6514	1540	16100	31.5	20.3
Nonresident	7147	1092	493	740	155	2480	48.0	14.7

*Harvest information for 1979 is adjusted for nonresponse bias.

Table 7-A - Elk Harvest Statewide by Total Hunters

Hunt Area	Number Hunts	HARVEST					Success	Hunter Days
		Bull	Spike	Cow	Calf	Total		
State Total	56,362	5,499	4,132	7,254	1,695	18,580	33.0	363,286
Resident	51,192	4,407	3,639	6,514	1,540	16,100	31.5	326,830
Nonresident	5,170	1,092	493	740	155	2,480	48.0	36,456

**Total hunters in the state, not hunts

Table 8 - Elk Harvest by Herd Unit for 1979

Herd Unit	Number Hunts	Bull	Spike	HARVEST*			Total	Success	Hunter Days
				Cow	Caif				
1 Targhee	351	12	0	5	0	23	6.5	1264	
Resident	279	3	0	2	0	5	1.8	903	
Nonresident	72	9	6	3	0	18	25.0	361	
2 Jackson	13856	810	415	1566	530	3321	24.0	57102	
Resident	12206	550	338	1404	470	2762	22.6	48903	
Nonresident	1650	260	77	162	60	559	33.9	8199	
3 Fall Creek	4236	337	236	531	99	1203	28.4	18313	
Resident	3661	213	178	498	96	985	26.9	15375	
Nonresident	575	124	58	33	3	218	37.9	2938	
4 Hoback	1984	97	48	244	26	415	20.9	8967	
Resident	1723	64	39	213	21	337	19.6	7641	
Nonresident	261	33	9	31	5	78	29.9	1326	
5 Afton	2862	220	147	157	49	573	20.0	11596	
Resident	2500	164	113	142	49	468	18.7	9833	
Nonresident	362	56	34	15	0	105	29.0	1763	
6 Piney	2705	158	165	223	43	589	21.8	12392	
Resident	2485	136	145	199	37	517	20.8	11076	
Nonresident	220	22	20	24	6	72	32.7	1316	
7 Upper Green Riv.	1756	149	67	179	35	430	24.5	8375	
Resident	1527	105	55	138	31	329	21.5	7138	
Nonresident	229	44	12	41	4	101	44.1	1237	
8 Pinedale	1878	193	39	126	40	398	21.2	8037	
Resident	1718	164	30	112	35	341	19.8	7108	
Nonresident	160	29	9	14	5	57	35.6	929	
9 Deer Creek	790	41	18	47	3	109	13.8	3066	
Resident	757	37	18	44	3	102	13.5	2869	
Nonresident	33	4	0	3	0	7	21.1	197	
10 Horse Creek	563	7	51	68	9	135	24.0	2596	
Resident	522	4	51	61	4	120	23.0	2348	
Nonresident	41	3	0	7	5	15	36.6	248	
11 Trapper-Medicine Lodge	3193	92	106	175	28	401	12.6	10743	
Resident	3021	86	94	143	24	347	11.5	9937	
Nonresident	172	6	12	32	4	54	31.4	806	
12 Basin	Closed								
13 Owl Creek	227	21	13	11	0	45	19.8	782	
Resident	221	19	13	9	0	41	18.6	760	
Nonresident	6	2	0	2	0	4	66.7	22	
14 Upper Greybull River	2122	183	173	284	44	684	32.2	8019	
Resident	1963	157	160	260	42	619	31.5	7153	
Nonresident	159	26	13	24	2	65	40.9	866	
15 Southfork Shoshone	1673	243	167	97	14	521	31.1	6973	
Resident	1399	172	137	88	13	410	29.3	5429	
Nonresident	274	71	30	9	1	111	40.5	1544	
16 Northfork Shoshone	1710	229	76	43	7	356	20.8	6745	
Resident	1512	185	65	38	6	295	19.5	5645	
Nonresident	198	44	11	5	1	61	30.8	1100	
17 Clark's Fork	3339	216	133	243	41	633	19.0	11432	
Resident	3146	180	124	230	40	574	18.2	10420	
Nonresident	193	36	9	13	1	59	30.6	1012	

*Harvest information for 1979 is adjusted for nonresponse bias.

Table 8 - Elk Harvest by Herd Unit for 1979

Herd Unit	Number Hunts	HARVEST*				Total	Success	Hunter Days
		Bull	Spike	Cow	Calf			
18 Upper Nowood-								
Copper Mtn.	395	55	46	116	31	248	62.8	1280
Resident	339	40	32	109	31	212	62.5	1084
Nonresident	56	15	14	7	0	36	64.3	196
19 Paintrock	4492	128	192	200	19	539	12.0	16604
Resident	4248	115	175	191	17	498	11.7	15369
Nonresident	244	13	17	9	2	41	16.8	1235
20 Fortification	Closed							
21 NE Bighorn	6200	460	228	420	71	1179	19.0	29171
Resident	5948	420	217	387	67	1091	18.3	27812
Nonresident	252	40	11	33	4	88	34.9	1359
22 SE Bighorn	3431	160	181	239	51	631	18.4	15817
Resident	3153	133	162	201	47	543	17.2	14208
Nonresident	278	27	19	38	4	88	31.7	1609
23 Uinta-Cedar Mtn.	820	27	12	26	12	77	9.4	2960
Resident	812	27	12	26	12	77	9.5	2920
Nonresident	8	0	0	0	0	0	0.0	40
24 Little Mtn.-								
Pine Mtn.	157	20	15	53	10	98	62.4	600
Resident	116	18	7	43	8	76	65.5	443
Nonresident	41	2	8	10	2	22	53.7	157
25 Baggs	6027	280	362	300	58	1000	16.6	20337
Resident	5787	264	347	251	47	909	15.7	19344
Nonresident	240	16	15	49	11	91	37.9	993
26 Steamboat	146	31	16	27	6	80	54.8	373
Resident	131	24	15	26	6	71	54.2	336
Nonresident	15	7	1	1	0	9	60.0	37
27 Prospect	864	60	13	52	16	142	16.4	3868
Resident	827	56	11	50	15	133	16.1	3697
Nonresident	37	4	2	2	1	9	24.3	171
28 West Green Riv.	4171	204	278	298	36	816	19.6	16759
Resident	3888	180	246	273	29	728	18.7	15260
Nonresident	283	24	32	25	7	88	31.1	1499
29 Carter Lease	260	0	0	12	0	12	4.6	711
Resident	260	0	0	12	0	12	4.6	711
Nonresident	0	0	0	0	0	0	0.0	0
30 Rawhide	56	0	0	12	5	17	30.4	121
Resident	0	0	0	0	0	0	0.0	0
Nonresident	56	0	0	12	5	17	30.4	121
31 Iron Mtn.	52	5	17	2	0	24	46.2	158
Resident	50	5	15	2	0	22	44.0	155
Nonresident	2	0	2	0	0	2	100.0	3
32 Laramie Peak	1669	161	79	167	52	459	27.5	4929
Resident	1580	135	73	157	50	415	26.3	4597
Nonresident	89	26	6	10	2	44	49.4	332
33 Snowy Range	9652	375	446	487	173	1481	15.3	35186
Resident	9360	331	425	453	164	1373	14.7	33983
Nonresident	262	44	21	34	9	108	41.2	1203
34 Shirley Mtn.	412	42	15	123	17	197	47.8	1519
Resident	353	30	11	101	17	159	45.0	1312
Nonresident	59	12	4	22	0	38	64.4	207

*Harvest information for 1979 is adjusted for nonresponse bias.

Table 8 - Elk Harvest by Herd Unit for 1979

Herd Unit	Number Hunts	Bull	Spike	HARVEST*		Calf	Total	Success	Hunter Days
				Cow					
35 Wiggins Fork	2805	197	194	378		69	838	29.9	13094
Resident	2518	142	174	329		62	707	28.1	11448
Nonresident	287	55	20	49		7	131	45.6	1646
36 Warm Springs	1916	51	21	110		28	210	11.0	7875
Resident	1769	43	19	104		28	194	11.0	7164
Nonresident	147	8	2	6		0	16	10.9	711
37 Lander	3079	158	119	129		38	443	14.4	13557
Resident	2930	146	110	116		35	406	13.9	12936
Nonresident	149	12	9	13		3	37	24.8	621
38 Green Mtn.	187	15	18	39		9	81	43.3	964
Resident	161	12	14	33		5	64	39.8	830
Nonresident	26	3	4	6		4	17	65.4	134
39 Ferris	137	18	15	24		1	53	38.7	582
Resident	105	13	5	19		1	38	36.2	423
Nonresident	32	5	10	5		0	15	46.9	159
40 Black Hills	51	6	4	0		3	13	25.5	248
Resident	43	4	4	0		1	9	20.9	199
Nonresident	8	2	0	0		2	4	50.0	49
41 Muddy Mtn.	174	27	6	26		22	81	46.6	714
Resident	149	19	5	23		22	69	46.3	556
Nonresident	25	8	1	3		0	12	48.0	158
42 Rattlesnake	38	7	0	15		0	22	57.9	127
Resident	36	7	0	15		0	22	61.1	124
Nonresident	2	0	0	0		0	0	0.0	3
State Total	90436	5495	4131	7254		1695	18575	20.5	363956
Resident	83203	4403	3639	6502		1535	16079	19.3	327449
Nonresident	7233	1092	492	752		160	2496	34.5	36507

*Harvest information for 1979 is adjusted for nonresponse bias.

Table 9 - Moose Harvest Survey Statistics - 1979

Herd Unit	Hunt Area	Permits	Hunters	Harvest				Success	Days/ Animal Taken
				Males	Females	Young	Total*		
Goose Crk.	1	Closed							
Lander	2	25	24	18	0	0	18	75.0	11.4
Resident		20	19	15	0	0	15	78.9	12.1
Nonresident		5	5	3	0	0	3	60.0	8.0
Lander	30	10	10	6	0	0	6	60.0	6.7
Resident		8	8	4	0	0	4	50.0	8.3
Nonresident		2	2	2	0	0	2	100.0	3.5
Lander	Total	35	34	24	0	0	24	70.6	10.2
Resident		28	27	19	0	0	19	70.4	11.3
Nonresident		7	7	5	0	0	5	71.4	6.2
Sublette	3	25	25	17	1	0	18	72.0	6.7
Resident		20	20	12	1	0	13	65.0	7.7
Nonresident		5	5	5	0	0	5	100.0	4.0
Sublette	4A	35	31	17	9	3	29	93.5	2.8
Resident		33	29	15	9	3	27	93.1	2.5
Nonresident		2	2	2	0	0	2	100.0	3.0
Sublette	4	40	40	26	9	2	37	92.5	2.9
Resident		32	32	19	9	2	30	93.8	2.5
Nonresident		8	8	7	0	0	7	87.5	4.7
Sublette	5	90	90	44	27	6	78	86.7	4.4
Resident		72	72	28	27	6	62	86.1	4.2
Nonresident		18	18	16	0	0	16	88.9	5.4
Sublette	22A	35	35	16	13	2	31	88.6	5.9
Resident		28	28	11	13	2	26	92.9	4.3
Nonresident		7	7	5	0	0	5	71.4	8.8
Sublette	22B	20	20	8	8	1	17	85.0	5.7
Resident		16	16	5	8	1	14	87.5	6.1
Nonresident		4	4	3	0	0	3	75.0	3.7
Sublette	24	80	77	42	25	3	71	92.2	4.8
Resident		64	62	30	25	3	59	95.2	4.2
Nonresident		16	15	12	0	0	12	80.0	8.0
Sublette	25	100	97	45	26	12	84	86.6	3.9
Resident		80	77	29	26	12	68	88.3	3.6
Nonresident		20	20	16	0	0	16	80.0	4.9
Sublette	Total	425	406	215	118	29	365	89.9	4.3
Resident		345	336	149	118	29	299	88.9	4.0
Nonresident		80	70	66	0	0	66	94.3	5.7
Dubois	6	45	45	29	12	0	41	91.1	4.6
Resident		36	36	22	12	0	34	94.4	4.2
Nonresident		9	9	7	0	0	7	77.8	6.7
Jackson	7	35	33	13	8	2	23	69.7	9.6
Resident		28	26	9	8	2	19	73.1	8.8
Nonresident		7	7	4	0	0	4	57.1	13.5
Jackson	14	35	35	29	0	0	29	82.9	7.3
Resident		28	28	22	0	0	22	78.6	7.4
Nonresident		7	7	7	0	0	7	100.0	7.1

Table 9 - Moose Harvest Survey Statistics - 1979

Herd Unit	Hunt Area	Permits	Hunters	Harvest				Success	Days/ Animal Taken
				Males	Females	Young	Total*		
Jackson	15	90	89	49	27	2	79	88.8	6.2
Resident		72	71	33	27	2	63	88.7	6.2
Nonresident		18	18	16	0	0	16	88.9	6.1
Jackson	17	190	190	98	53	6	156	82.1	5.9
Resident		152	152	70	53	6	128	84.2	5.7
Nonresident		38	38	28	0	0	28	73.7	6.9
Jackson	18	100	99	45	33	5	82	82.8	4.9
Resident		80	80	31	33	5	68	85.0	4.3
Nonresident		20	19	14	0	0	14	73.7	7.9
Jackson	19	50	45	6	10	6	22	48.9	8.9
Resident		40	36	6	10	6	22	61.1	6.8
Nonresident		10	9	0	0	0	0	0	46 days
Jackson	20N	6	6	4	2	0	6	100.0	5.7
Resident		5	5	3	2	0	5	100.0	5.6
Nonresident		1	1	1	0	0	1	100.0	6.0
Jackson	28	75	73	29	18	1	48	65.8	8.2
Resident		60	58	16	18	1	35	60.3	8.7
Nonresident		15	15	13	0	0	13	86.7	7.0
Jackson	32	60	58	23	21	3	47	81.0	8.4
Resident		48	47	16	21	3	40	85.1	6.4
Nonresident		12	11	7	0	0	7	63.6	8.9
Jackson	Total	641	628	296	172	25	492	78.3	6.5
Resident		513	503	206	172	25	402	79.9	6.1
Nonresident		128	125	90	0	0	90	72.0	7.9
Thorofare	8	35	33	26	0	0	26	78.8	6.1
Resident		28	27	20	0	0	20	74.1	6.1
Nonresident		7	6	6	0	0	6	100.0	6.2
Greybull Riv.	9	Closed							
Hoback	10	55	54	37	13	1	51	94.4	4.3
Resident		44	43	26	13	1	40	93.0	4.7
Nonresident		11	11	11	0	0	11	100.0	2.9
Hoback	21	50	49	26	16	2	44	89.8	3.4
Resident		40	40	17	16	2	35	87.5	3.7
Nonresident		10	9	9	0	0	9	100.0	2.0
Hoback	Total	105	103	63	29	3	95	92.2	3.8
Resident		84	83	43	29	3	75	90.4	4.3
Nonresident		21	20	20	0	0	20	100.0	2.5
Northfork									
Shoshone	11	5	4	3	0	0	3	75.0	4.7
Resident		4	4	3	0	0	3	75.0	4.7
Nonresident		1	0	0	0	0	0	0	0
Sunlight	12	5	5	5	0	0	5	100.0	4.0
Resident		4	4	4	0	0	4	100.0	2.5
Nonresident		1	1	1	0	0	1	100.0	10.0
Crandall	13	5	5	4	0	0	4	80.0	7.0
Resident		4	4	3	0	0	3	75.0	7.7
Nonresident		1	1	1	0	0	1	100.0	5.0

Table 9 - Moose Harvest Survey Statistics - 1979

Herd Unit	Hunt Area	Permits	Hunters	Harvest				Success	Days/ Animal Taken
				Males	Females	Young	Total*		
Targhee	16	20	19	8	2	0	10	52.6	13.7
Resident		16	15	5	2	0	7	46.6	14.9
Nonresident		4	4	3	0	0	3	75.0	11.0
Targhee	37	15	15	12	0	0	12	80.0	8.1
Resident		12	12	10	0	0	10	83.3	8.2
Nonresident		3	3	2	0	0	2	66.7	8.0
Targhee	Total	35	34	20	2	0	22	64.7	10.7
Resident		28	27	15	2	0	17	62.9	10.9
Nonresident		7	7	5	0	0	5	71.4	9.8
Fall Creek	20S	24	24	15	8	0	23	95.8	5.8
Resident		19	19	10	8	0	18	94.7	6.2
Nonresident		5	5	5	0	0	5	100.0	4.6
Greys Riv.	23	100	99	65	30	1	97	97.9	3.6
Resident		80	79	46	30	1	78	98.7	3.6
Nonresident		20	20	19	0	0	19	95.0	3.8
Lincoln	26	200	200	108	69	5	186	93.0	3.9
Resident		160	160	76	69	5	154	96.3	3.5
Nonresident		40	40	32	0	0	32	80.0	6.1
Uinta-Cedar Mountain	27	60	59	20	17	5	43	72.9	8.5
Resident		48	47	14	17	5	37	78.7	7.1
Nonresident		12	12	6	0	0	6	50.0	17.3
Uinta-Cedar Mountain	35	Closed							
Uinta-Cedar Mountain	Total	60	59	20	17	5	43	72.9	8.5
Resident		48	47	14	17	5	37	78.7	7.1
Nonresident		12	12	6	0	0	6	50.0	17.3
Prospect Mountain	29	10	10	5	5	0	10	100.0	4.3
Resident		8	8	3	5	0	8	100.0	2.4
Nonresident		2	2	2	0	0	2	100.0	12.0
Southfork Shoshone	31	5	5	2	0	0	2	40.0	25.0
Resident		4	4	1	0	0	1	25.0	47.0
Nonresident		1	1	1	0	0	1	100.0	3.0
West Green River	33	Closed							
Hunter Mesa	34	Closed							
Carter Lease	36	10	10	6	4	0	10	100.0	3.2
Resident		8	8	4	4	0	8	100.0	3.0
Nonresident		2	2	2	0	0	2	100.0	4.0
State Total		1745	1704	906	466	68	1448	84.9	5.4
Resident		1401	1376	638	466	68	1180	85.8	5.1
Nonresident		344	328	268	0	0	268	81.7	6.5

*Total includes animals harvested of unknown sex and age class.

Table 10 - Bighorn Sheep Harvest Survey Statistics - 1979

Herd Unit	Hunt Area	Permits	Hunters	Harvest		Success	Days/ Animal Taken
				Adult Males	Total		
Clark's Fork	1	24	24	12	12	50.0	20.5
Resident		18	18	8	8	44.4	22.3
Nonresident		6	6	4	4	66.7	16.8
Trout Peak	2	32	31	8	8	25.8	47.3
Resident		24	24	6	6	25.0	52.0
Nonresident		8	7	2	2	28.6	33.0
Wapiti Ridge	3	32	32	23	23	71.9	11.0
Resident		24	24	18	18	75.0	11.2
Nonresident		8	8	5	5	62.5	10.4
Yount's Peak	4	61	61	31	31	50.8	20.8
Resident		45	45	22	22	48.9	21.5
Nonresident		16	16	9	9	56.3	19.1
Franc's Peak	5	60	59	41	41	69.5	15.5
Resident		45	44	28	28	63.6	18.5
Nonresident		15	15	13	13	86.7	9.1
Targhee	6	8	8	0	0	0	71 days
Resident		6	6	0	0	0	41 days
Nonresident		2	2	0	0	0	30 days
Jackson	7	36	36	9	9	25.0	61.3
Resident		27	27	5	5	18.5	99.6
Nonresident		9	9	4	4	44.4	13.5
Sheep Mtn.	8	9	9	5	5	55.6	13.8
Resident		6	6	4	4	66.7	9.0
Nonresident		3	3	1	1	33.3	33.0
Dinwoody-Gannett Pk.	9	40	37	18	18	48.6	21.0
Resident		30	27	14	14	51.9	20.6
Nonresident		10	10	4	4	40.0	22.3
Jakey's Fork-Green Riv.	10	52	51	16	16	31.4	35.1
Resident		39	38	11	11	28.9	38.2
Nonresident		13	13	5	5	38.5	28.2
Whiskey Mtn. Total		92	88	34	34	38.6	27.6
Resident		69	65	25	25	38.5	28.4
Nonresident		23	23	9	9	39.1	25.6
Temple Peak	11	12	11	2	2	18.2	60.5
Resident		9	9	0	0	0	116 days
Nonresident		3	2	2	2	100.0	2.5
North Bighorn	12	Closed					
Paintrock Creek	13	Closed					
Barnum	15	Closed					

Table 10 - Bighorn Sheep Harvest Survey Statistics - 1979

Herd Unit	Hunt Area	Permits	Hunters	Harvest		Success	Days/ Animal Taken
				Adult Males	Total		
Sweetwater Rocks	16	Closed					
Ferris- Seminoe	17	Closed					
Douglas Crk.	18	8	6	1	1	16.7	123.0
Resident		6	6	1	1	16.7	123.0
Nonresident		2	0	0	0	0	0
Laramie Pk.	19	8	6	1	1	16.7	72.0
Resident		6	6	1	1	16.7	72.0
Nonresident		2	0	0	0	0	0
Black Hills	20	Closed					
State Total		382	370	167	167	45.1	24.6
Resident		285	280	118	118	42.1	27.8
Nonresident		97	91	49	49	53.8	16.9

Table 11 - Estimated Number of Upland Game Hunters, Hunter Days and Harvest by Species for 1979

Species	Number Hunters	Number Hunter Days	Harvest
*Ducks	10,920	55,757	82,240
*Geese	5,699	27,806	7,036
Pheasants	11,296	34,021	38,017
*Chukar Partridge	1,535	4,665	2,271
*Hungarian Partridge	890	2,945	1,210
Blue Grouse	7,586	22,983	23,960
Ruffed Grouse	2,393	8,538	9,333
Sage Grouse	20,333	48,495	93,208
Sharptail Grouse	919	2,975	3,285
Mourning Dove	5,429	18,733	59,310
*Cottontail Rabbit	16,234	70,398	151,926
*Snowshoe Hare	1,249	5,682	4,458
*Squirrel	1,034	3,473	7,041
Little Brown Crane	29	77	0
*Turkey	2,730	8,042	1,318
<u>Spring</u>	860	2,476	378
Resident	711	2,024	289
Nonresident	149	452	89
<u>Fall</u>	1,870	5,566	940
Resident	1,443	4,215	715
Nonresident	427	1,351	225

*Harvest based on calendar year

Table 12 - Five-year Comparison of Wildlife Harvest by Species

Species	1975	1976	1977	1978	1979
BIG GAME					
Antelope	51,491	58,480	58,858	58,132	44,616
Deer	75,429	75,942	79,687	67,403	61,243
Mule Deer	61,428	64,644	68,638	59,605	53,791
Whitetail Deer	14,001	11,298	11,049	7,798	7,452
Elk	20,970	14,705	21,784	13,507	18,580
Moose	1,688	1,643	1,697	1,503	1,448
Bighorn Sheep	150	125	147	161	167
Rocky Mtn. Goat	2	4	4	3	4
*Black Bear	312	293	268	342	311
Spring	157	117	117	159	125
Fall	155	176	151	183	186
Grizzly Bear	---	---	---	---	---
Mountain Lion	5	11	8	10	13
UPLAND GAME					
*Ducks	79,795	80,891	80,296	81,180	82,240
*Geese	4,707	3,366	5,926	8,732	7,036
Pheasants	25,150	31,454	41,338	37,042	38,017
*Chukar Partridge	13,766	17,255	20,665	9,300	2,271
*Hungarian Partridge	5,510	5,486	7,570	4,272	1,210
Blue Grouse	8,816	12,904	15,243	19,135	23,960
Ruffed Grouse	6,616	6,747	7,099	7,031	9,333
Sage Grouse	64,559	86,696	70,783	85,065	93,208
Sharptail Grouse	2,618	2,283	3,792	4,846	3,285
*Cottontail Rabbit	109,987	173,750	246,714	317,205	151,926
*Turkey	2,190	1,259	1,368	1,314	1,318
Spring	365	390	360	342	378
Fall	1,825	869	1,008	972	940
Mourning Dove	43,206	54,725	57,207	42,231	59,310
*Snowshoe Hare	979	2,878	3,164	7,332	4,458
*Squirrel	1,886	3,669	4,092	7,659	7,041
Little Brown Crane	8	32	19	19	0
*FISH	5,921,938	6,430,742	6,433,893	7,397,279	7,544,602
*RAPTORS	43	36	28	26	42
Prairie Falcon	38	27	20	16	20
Sparrow Hawk (Kestral)	---	3	1	---	2
Red-tailed Hawk	1	2	1	3	3
Goshawk	3	3	3	3	10
Sharp-skinned Hawk	---	1	---	---	0
Rough-legged Hawk	1	---	---	2	1
Cooper's Hawk	---	---	1	1	0
Gyr Falcon	---	---	1	---	2
Pigeon Hawk (Merlin)	---	---	1	1	4

*Harvest based on calendar year

APPENDIX II - LICENSE SALES-FIVE
YEAR COMPARISON

STATEWIDE FIVE-YEAR COMPARISON OF LICENSE SALES

TYPE OF LICENSE	1975	1976	1977	1978	1979
Resident Deer (\$10)	52,539	57,414	63,507	75,321	78,406
Second Resident Deer (\$5)	454	546			
Additional Resident Deer (\$10)			219	263	88
Additional Res. Deer/Half Price(\$5)			1,098	112	
Depredation Resident Deer (\$10)					
Military Resident Deer (\$10)	334	447	492	485	480
Pioneer Deer (\$1)	3,687	3,155	2,683	2,567	2,316
Pioneer Second Deer (\$.50)	5	5			
Additional Pioneer Deer (\$1)			11	3	1
TOTALS	57,019	61,567	68,010	78,751	81,291
Nonresident Deer (\$50)	47,577	50,554	40,509	35,895	34,374
Second Nonres. Deer (\$25)	2,080	1,289			
Additional Nonres. Deer (\$50)			1,269	1,235	547
Additional Nonres. Deer/Half Price (\$25)			600	24	
Depredation Nonres. Deer (\$50)					
TOTALS	49,657	51,843	42,378	37,154	34,291
TOTAL DEER LICENSES	106,676	113,410	110,388	115,905	116,212
Res. Elk & Black Bear (\$15)	45,669	51,329	53,284	59,999	62,311
Depredation Resident Elk (\$15)	57		5	4	
Pioneer Elk (\$5)	2,372	2,103	1,738	1,671	1,507
Military Res. Elk & Black Bear (\$15)	120	189	219	250	228
TOTALS	48,218	53,621	55,246	61,924	64,046
Nonresident Elk & Fishing (\$125)	6,058	6,092	6,083	6,080	6,056
TOTAL ELK LICENSES	54,276	59,713	61,329	68,004	70,102
Resident Antelope (\$10)	20,204	19,646	19,820	20,967	19,949
Second Resident Antelope (\$5)	1,883	2,330			
Additional Res. Antelope (\$10)			3,215	3,752	3,892
Additional Res. Antelope/Half Price (\$5)			2,063	4,134	2,333
Pioneer Antelope (\$1)	2,225	1,849	1,556	1,428	1,284
Pioneer Second Antelope (\$.50)	42	42			
Additional Pioneer Antelope (\$1)			112	148	122
Depredation Res. Antelope (\$10)	52		415	6	37
TOTALS	24,406	23,867	27,181	30,435	27,617
Nonresident Antelope (\$50)	31,524	34,896	32,777	28,074	19,208
Second Nonres. Antelope (\$25)	5,244	8,425			
Additional Nonres. Antelope (\$25)			4,370	4,463	4,176
Additional Nonres. Antelope/Half Price (\$25)			1,845	3,489	2,207
Depredation Nonres. Antelope (\$50)			10		
TOTALS	36,768	43,321	39,002	26,026	25,591
TOTAL ANTELOPE LICENSES	61,174	67,188	66,183	66,461	53,208
Resident Moose (\$25)	1,510	1,675	1,516	1,432	1,391
Depredation Resident Moose (\$25)	10				3
TOTALS	1,520	1,675	1,516	1,432	1,394
Nonresident Moose (\$125)	377	419	378	357	345
Depredation Nonresident Moose (\$125)					1
TOTALS					346
TOTAL MOOSE LICENSES	1,897	2,094	1,894	1,789	1,740

STATEWIDE FIVE-YEAR COMPARISON OF LICENSE SALES

TYPE OF LICENSE	1975	1976	1977	1978	1979
Resident Sheep (\$30)	270	286	290	285	289
Nonresident Sheep (\$150)	91	95	99	98	98
TOTAL SHEEP LICENSES	361	381	389	383	387
Resident Mountain Goat (\$30)	3	3	3	3	3
Nonresident Mountain Goat (\$150)	1	1	1	1	1
TOTAL MOUNTAIN GOAT LICENSES	4	4	4	4	4
Resident Black Bear (\$5)	30	42	45	33	44
Military Resident Black Bear (\$5)		2		3	
TOTALS	30	44	45	36	44
Nonresident Black Bear (\$30)	615	737	1,010	1,210	1,287
TOTAL BLACK BEAR LICENSES	645	781	1,055	1,245	1,331
Resident Mountain Lion (\$20)	18	32	43	62	89
Nonresident Mountain Lion (\$100)	1	4	1	2	1
TOTAL MOUNTAIN LION LICENSES	19	36	44	64	90
Resident Grizzly Bear (\$30)					
Nonresident Grizzly Bear (\$150)					
TOTAL GRIZZLY BEAR LICENSES					
Resident Spring Male Turkey (\$5)	749	744	812	807	887
Resident Fall Turkey (\$5)	2,869	2,989	2,126	1,754	1,939
TOTALS	3,618	3,733	2,938	2,561	2,826
Nonresident Spring Male Turkey (\$20)	81	112	145	154	167
Nonresident Fall Turkey (\$20)	584	669	465	365	461
TOTALS	665	781	610	510	628
TOTAL TURKEY LICENSES	4,283	4,514	3,548	3,080	3,454
Resident Game Bird (\$5)	23,308	26,770	29,291	30,367	33,218
Military Resident Game Bird (\$5)	95	109	128	140	170
TOTALS	23,403	26,879	29,419	30,507	33,388
Nonresident Game Bird (\$25)	2,257	2,936	3,456	2,475	3,977
3-Day Special Bird (\$5)	33	73	81	104	101
TOTALS	2,290	3,009	3,537	3,579	4,078
TOTAL GAME BIRD LICENSES	25,693	29,888	32,956	34,086	37,466
Resident Small Game (\$3)	10,784	13,584	18,003	22,234	16,617
Military Resident Small Game (\$3)	124	169	266	306	310
TOTALS	10,908	13,573	18,269	22,540	16,927
Nonresident Small Game (\$10)	1,714	2,403	2,957	3,705	2,853
TOTAL SMALL GAME LICENSES	12,622	16,156	21,226	26,245	19,780
Resident Fishing (\$5)	86,580	92,546	96,126	103,398	110,729
Military Resident Fishing (\$5)	807	886	872	894	910
Resident 5-Day Fishing (\$3)	287	244	194	314	302
Resident Youth Fishing (\$2)	12,741	13,103	12,987	13,270	13,525
Underwater Fishing (\$3)	8	26	21	59	72
TOTALS	100,423	106,805	110,200	117,935	125,538

STATEWIDE FIVE-YEAR COMPARISON OF LICENSE SALES

TYPE OF LICENSE	1975	1976	1977	1978	1979
Nonresident Fishing (\$25)	10,744	11,643	12,236	13,568	13,911
Tourist 5-Day Fishing (\$5)	149,020	164,730	161,442	169,867	147,892
Tourist Youth 5-Day Fishing (\$2)	5,729	5,554	5,108	6,388	5,511
30-Day Group Fishing (\$12.50)	782	842	740	748	667
Girl Scout West Fishing (\$2)	56	68	89	46	117
TOTALS	166,331	182,837	179,615	190,617	168,098
TOTAL FISHING LICENSES	266,754	289,642	289,815	308,522	293,636
Reciprocity Stamps (\$2)	12,307				
Reciprocity Stamps (\$3)		8,171	6,260	5,290	4,367
TOTAL RECIPROCITY STAMPS	12,307	8,171	6,260	5,290	4,367
Resident Archery (\$3)	2,509	2,730	3,568	4,578	5,784
Nonresident Archery (\$5)	591	702	824	930	777
TOTAL ARCHERY LICENSE	3,100	3,432	4,392	5,508	6,561
Wyoming Game Tags (\$1)	483	547	545	453	297
Interstate Game Tags (\$1)	8,562	8,021	8,781	8,137	7,195
Beaver Tags (\$.75)	4,087	4,657	6,352	4,443	7,118
TOTAL TAGS	13,132	13,225	15,678	13,033	14,610
Resident Guide (\$20)	1,077	1,085	1,101	1,045	1,020
Big Game Animal Outfitter (\$50)	262	279	287	294	282
Deer-Antelope Outfitter (\$25)	56	62	68	59	48
Fishing Outfitter (\$25)	92	107	150	150	144
TOTAL OUTFITTER LICENSES	1,487	1,533	1,606	1,548	1,494
Resident Fur Bearing Trapping (\$5)	787	1,024	1,365	1,231	2,051
Nonres. Fur Bearing Trapping (\$25)				40	123
TOTAL FUR BEARING TRAPPING LICENSES	787	1,024	1,365	1,271	2,174
Res. License to Capture Falcon (\$20)	17	19	14	13	12
Nonres. License to Capture Falcon (\$100)	45	36	16	18	18
License to Hunt With Falcon (\$5)	3	6	9	14	17
License to Capture Fur Bearing Animals (\$5)				1	1
Resident Fur Dealer (\$20)	38	43	44	45	54
Nonres. Fur Dealer (\$100)	11	16	14	15	14
Taxidermist (\$25)	42	42	52	52	52
Game Bird Farm (\$40)	20	20	20	25	25
Fishing Preserve (\$50)	27	25	30	34	32
Commercial Fish Hatchery (\$75)	8	9	7	5	4
Lic. To Sein or Trap Fish (\$10)	148	155	159	166	191
Lic. To Deal In Live Bait (\$25)	35	32	29	29	33
GRAND TOTAL LICENSES	565,611	611,595	618,526	652,885	627,069

APPENDIX III - ECONOMICS

Table 1 - Summary of 1979 Hunter and Fisherman, Recreation Days, Harvest and Expenditures in Wyoming

	No. of Sportsmen	Expend. per Sportsman	Total Rec. Days	Expend. per Rec. Day	Total Harvest	Expend. per Animal	Total Expend. in Wyoming
Antelope -	48,798	238.09	106,144	109.46	44,616	260.40	11,618,233
Resident	25,028	108.97	43,300	62.99	22,464	121.41	2,727,370
Nonresident	23,770	374.04	62,844	141.48	22,152	401.36	8,890,863
Deer	99,273	236.31	369,060	63.56	61,243	383.05	23,459,227
Resident	69,095	135.25	265,327	35.22	38,639	241.86	9,345,327
Nonresident	30,178	467.69	103,733	136.06	22,604	624.40	14,113,900
Elk	56,362	295.48	364,003	45.75	18,580	896.33	16,653,851
Resident	51,192	217.22	327,616	33.94	16,100	690.68	11,120,030
Nonresident	5,170	1070.37	36,387	152.08	2,480	2231.38	5,533,821
Moose	1,704	327.24	7,750	71.95	1,448	385.10	557,625
Resident	1,376	212.47	6,004	48.69	1,180	247.76	292,355
Nonresident	328	808.75	1,746	151.93	268	989.81	265,270
Sheep	371	686.04	4,105	61.34	167	1519.98	253,836
Resident	280	366.59	3,278	31.31	118	869.86	102,644
Nonresident	91	1661.45	827	182.92	49	3085.55	151,192
Black Bear	---	---	---	---	311	---	996,209
Resident	---	---	---	---	204	---	---
Nonresident	941	1058.67	---	---	107	---	996,209
Mtn. Lion	90	---	---	---	13	---	---
Resident	89	---	---	---	11	---	---
Nonresident	1	---	---	---	2	---	---
Rocky Mtn. Goat	4	---	13	---	4	---	---
Resident	3	---	10	---	3	---	---
Nonresident	1	---	3	---	1	---	---
ALL BIG GAME	206,602	254.44	851,075	61.74	126,382	416.83	52,542,772
Resident	147,063	160.49	645,535	36.54	78,719	300.48	23,587,726
Nonresident	59,539	479.49	205,540	140.88	47,663	608.90	28,955,046
Birds &							
Waterfowl	32,535	185.05	226,995	26.84	319,870	18.82	6,020,753
Resident	28,714	172.71	202,026	26.99	284,684	17.42	4,959,307
Nonresident	3,821	277.79	24,969	26.16	35,186	30.17	1,061,446
Turkey	2,452	139.34	8,042	42.49	1,318	259.23	341,668
Resident	1,936	113.19	6,239	35.12	1,004	218.26	219,133
Nonresident	516	237.47	1,803	67.96	314	390.24	122,535
Small Game	14,526	209.60	79,553	36.18	163,425	18.63	3,044,713
Resident	12,001	198.07	68,416	36.88	140,545	16.91	2,377,055
Nonresident	2,525	264.42	11,137	33.86	22,880	29.18	667,658
ALL SMALL GAME	49,513	189.99	314,590	29.72	484,613	19.41	9,407,134
Resident	42,651	177.15	276,681	29.69	426,233	17.73	7,555,495
Nonresident	6,862	269.84	37,909	29.82	58,380	31.72	1,851,639
Fishing	283,108	265.16	3,017,841	24.87	7544,602	9.95	75,069,077
Resident	117,378	500.47	2,163,277	27.15	5408,192	10.86	58,743,645
Nonresident	165,730	98.51	854,564	19.10	2136,410	7.64	16,325,432
ALL WILDLIFE	539,223	254.15	4,183,506	32.74	8155,597	16.80	137,018,983
Resident	307,092	292.79	3,085,493	29.34	5913,144	15.20	89,886,866
Nonresident	232,131	203.04	1,098,013	42.00	2242,453	21.00	47,132,117

Table 2 - Five-year Summary of Hunter and Fisherman Expenditures in Wyoming

Total Expenditures in Wyoming

	1975	1976	1977	1978	1979
Antelope	8,934,370	11,925,216	14,267,727	14,425,807	11,618,233
Resident	1,548,231	1,661,824	2,288,709	2,719,381	2,727,370
Nonresident	7,386,139	10,263,392	11,979,018	11,706,426	8,890,863
Deer	18,120,242	20,118,698	22,422,723	21,603,428	23,459,227
Resident	4,413,381	4,983,277	6,858,037	8,073,722	9,345,327
Nonresident	13,706,861	15,135,421	15,564,686	13,529,706	14,113,900
Elk	10,466,465	11,236,562	13,761,336	14,951,525	16,653,851
Resident	6,415,197	6,935,122	8,547,967	9,680,387	11,120,030
Nonresident	4,051,268	4,301,441	5,213,369	5,271,138	5,533,821
Moose	383,094	453,828	520,711	521,709	557,625
Resident	203,525	237,848	267,726	267,930	292,355
Nonresident	179,759	215,980	252,985	253,779	265,270
Sheep	160,091	176,713	218,220	229,809	253,836
Resident	65,051	70,833	87,550	92,231	102,644
Nonresident	95,040	105,881	130,670	137,578	151,192
Black Bear	---	---	---	---	---
Resident	---	---	---	---	---
Nonresident	334,517	432,042	635,831	838,269	996,209
Rocky Mtn. Goat	---	---	---	---	---
Resident	---	---	---	---	---
Nonresident	---	---	---	---	---
Mountain Lion	---	---	---	---	---
All Big Game	38,408,779	44,343,101	51,826,548	52,569,232	52,542,772
Resident	12,655,385	13,888,944	18,049,989	20,832,336	23,587,726
Nonresident ¹	25,753,394	30,454,157	33,776,559	31,736,896	28,955,046
Birds & Waterfowl	2,852,687	3,533,132	4,364,249	4,868,928	6,020,753
Resident	2,460,803	2,994,538	3,611,295	4,052,449	4,959,307
Nonresident	391,884	538,594	752,954	816,479	1,061,446
Turkey	279,380	317,652	289,696	269,421	341,668
Resident	193,882	211,286	189,781	178,190	219,133
Nonresident	85,498	106,366	99,915	91,231	122,535
Small Game (Mammals)	1,380,040	1,887,913	2,686,298	3,602,236	3,044,713
Resident	1,098,623	1,469,878	2,111,921	2,826,100	2,377,055
Nonresident	281,417	418,035	574,377	776,136	667,658
All Small Game	4,512,107	5,738,697	7,340,243	8,740,585	9,407,134
Resident	3,753,308	4,675,702	5,912,997	7,056,739	7,555,495
Nonresident	758,799	1,062,995	1,427,246	1,683,846	1,851,639

¹ does not include nonresident bear hunters

Table 2 - Five-year Summary of Hunter and Fisherman Expenditures in Wyoming

Total Expenditures in Wyoming

	1975	1976	1977	1978	1979
Fishing	41,233,680	44,848,535	56,217,810	65,104,609	75,069,077
Resident	31,428,399	33,443,370	42,461,880	49,199,802	58,743,645
Nonresident	9,805,281	11,405,165	13,795,930	15,904,807	16,325,432
All Wildlife	84,156,566	94,930,333	115,884,601	126,415,741	137,018,983
Resident	47,837,092	52,008,016	66,424,866	77,088,877	89,886,866
Nonresident	36,317,474	42,922,317	48,959,735	49,325,549	47,132,117

APPENDIX IV - FISHERIES

Table 1. Estimated Supply of Fishing Recreation by Drainage and Water Types, 1976 Fishing Pressure and 1983 Objectives for the State of Wyoming.

Drainage - Water Type	Total Estimated Supply (Fisherman Days)	Est. Supply with Guaranteed Access (Fisherman Days)	Est. Pressure (Fisherman Days)	1983 Objectives (Fisherman Days)
Snake River	1,129,077	1,086,858	314,019 + 12,914	415,045
Streams	315,361	274,068	233,558 + 11,890	265,629
Standing Waters	813,716	812,790	80,461 + 7,641	149,416
Wind-Big Horn River	2,119,424	1,859,792	876,313 + 19,962	785,996
Streams	681,869	487,801	504,065 + 16,559	455,878
Standing Waters	1,437,555	1,371,991	372,248 + 15,018	330,118
Powder-Tongue River	520,944	363,888	378,705 + 13,321	360,775
Streams	196,552	100,610	235,404 + 11,889	202,034
Standing Waters	324,392	263,278	143,301 + 9,278	158,741
Green River	1,636,850	1,356,530	730,209 + 19,737	940,228
Streams	451,615	233,713	359,145 + 15,346	554,735
Standing Waters	1,185,235	1,122,817	371,064 + 15,668	385,493
Platte River	2,126,564	1,556,512	1,356,796 + 26,619	1,448,090
Streams	585,552	227,830	559,407 + 20,867	810,931
Standing Waters	1,541,012	1,328,682	797,389 + 21,888	637,159
STATE TOTAL	7,532,859	6,223,580	3,665,042 + 34,841	3,950,134
Streams	2,230,949	1,324,022	1,891,579 + 28,205	2,289,207
Standing Waters	5,301,910	4,899,558	1,764,463 + 27,696	1,660,927

Table 2. Fish Egg Record - July 1, 1979 through June 30, 1980

Species	Source	Number Taken	By Species	Eggs Shipped Out
Brown	Soda Lake	3,188,644	3,188,664	362,732 Colorado, Commercial
Brook	Soda Lake	699,776	699,776	
Cutthroat	Bar BC Spring	13,536		646,528 New Mexico, State
	Big Sheep Mtn. Lake	4,970		354,340 Colorado, Commercial
	Lake of the Roads	1,463,100		369,520 Colorado, State
	Auburn	6,218,095		403,451 Utah, State
	Clark's Fork	296,253	7,995,954	303,212 Idaho, State
				764,451 Jackson, Federal
				323,760 New Mexico, Commercial
				179,078 Nebraska, State
Rainbow	Lake DeSmet	4,353,365		133,344 Montana, State
	Clark's Fork	141,470		152,073 Colorado, State
	Boulder	4,195,667		105,240 New Hampshire, Federal
	Daniel	172,128		129,536 Montana, Federal
	Wigwam, Fall	9,243,897		105,240 Tennessee, Federal
	Wigwam, Spring	314,688	18,421,215	755,860 South Dakota, Federal
				40,480 Colorado, Federal
				80,960 Wisconsin, Federal
				564,366 Colorado, Commercial
Grayling	Meadow Lake	487,932	487,932	
Golden	Surprise Lake	105,534	105,534	14,696 Idaho, State
Kohanee	Fontenelle Res.	43,472	43,472	
Walleye	Keyhole Res.	2,856,922	2,856,922	
Machinaw	Story			203,000 Utah, State
				91,398 South Dakota, Federal
TOTALS		33,799,469	33,799,469	6,083,265

Table 3. Fish Hatchery Net Production (Lbs.) - July 1, 1979 through June 30, 1980

Station	On June 30, 1980	Planted	Transferred Out	On Hand July 1, 1979	Transferred In	Net Production
Auburn	19,282	30,062	525	18,104	226	31,539
Boulder	16,707	26,401	-	13,750	1,621	27,737
Clark's Fork	31,316	115,268	5,515	25,371	911	125,817
Como Bluff	6,535	24,301	433	4,270	6,105	20,894
Daniel	11,949	18,585	506	14,234	342	16,464
Dubois	8,260	20,248	578	9,535	1,067	18,484
Speas	24,475	120,967	645	31,622	2,933	111,532
Story	15,424	38,570	1,253	14,814	5,395	35,039
Tensleep	3,967	15,764	5,073	4,615	831	19,358
Tillett	18,555	32,794	-	7,341	2,836	41,172
Wigwam	75,711	107,062	7,219	78,745	3,740	107,507
TOTALS	232,181	550,022	21,747	222,400	26,007	555,543

Table 4. Fish Hatchery Production and Cost Report - July 1, 1979 through June 30, 1980

Station	No. Plant. and Trans- ported Out	Lbs. Plant. and Trans- ported Out	Lbs. Pro- duced	Operation & Mainten- ance Cost	6/30/79	6/30/78	6/30/77	6/30/76	Food Consumption Cost	Cost Per Lb.
Auburn	1,036,059	31,539	31,539	\$ 99,287	3.14	2.77	2.44	2.13	\$ 9,984	.31
Boulder	819,757	26,401	27,737	88,447	3.18	3.69	2.46	2.49	10,440	.37
Clark's Fork	4,862,829	120,783	125,818	171,458	1.36	1.08	1.18	1.08	33,580	.26
Como Bluff	931,328	24,733	20,893	109,135	5.22	2.77	3.19	2.37	7,583	.36
Daniel	1,545,080	19,091	16,464	95,117	5.77	3.93	4.29	3.16	7,868	.47
Dubois	1,083,552	20,826	18,483	83,126	4.49	3.83	3.14	2.54	5,491	.29
Speas	4,804,765	121,612	111,531	157,489	1.41	1.18	1.14	1.41	33,822	.30
Story	1,373,001	39,824	35,039	85,364	2.43	2.65	1.89	1.84	12,885	.36
Tensleep	3,015,559	20,838	19,358	104,479	5.39	4.18	3.62	3.20	5,926	.30
Tillett	83,920	32,794	41,172	69,599	1.69	2.67	5.91	2.61	10,662	.25
Wigwam	1,546,026	114,281	107,507	125,740	1.16	1.13	.95	1.01	31,333	.29
TOTALS	21,101,876	572,722	555,541	\$1,189,241	2.11	1.93	1.81	1.69	\$169,574	.30

Table 5 - Record of Fish Planting (By Source) - July 1, 1979 through June 30, 1980

Station	Brook		Brown		Cutthroat		Mackinaw		Rainbow		Miscellaneous		Total	
	No.	Lbs.	No.	Lbs.	No.	Lbs.	No.	Lbs.	No.	Lbs.	No.	Lbs.	No.	Lbs.
Auburn					675,694	22,519.1	54,381	5,687					730,037	28,206.10
Boulder			196,448	3,895					686,885	21,139			883,333	25,034
Clark's Fork			207,340	5,234	2,249,922	53,674			1,631,928	53,510			4,089,190	112,418
Como Bluff	64,540	820			495	9			356,202	23,033.6	3,330 ^a 89,120 ^b	48 10	513,687	23,920.6
Daniel	73,712	844	88,013	606.2	27,178	553			558,886	17,547.5	49,500 ^b	6.6	797,289	19,557.3
Dubois	19,115	168			316,779	1,435.8			152,278	17,834.5	58,940 ^a 10,800 ^b	10.6 802	557,912	20,250.9
Speas			380,271	8,499					2,778,367	111,943	1,591,600 ^c	25	4,750,238	120,467
Story	11,324	459.7	25,214	673.2	8,457	221.3			594,737	36,193.2	76,705 ^d 742 ^e	824.8 412	717,179	38,784.2
Tensleep	304	38			266,276	2,737.5			429,278	12,988.5			695,858	15,764
Tillett					81,494	25,357			19,312	8,638			100,806	33,995
Wigwam					238,323	4,673			1,086,557	98,824			1,324,880	103,497
Spearfish, S.D.									39,092	9,688			39,092	9,688
Ellis, Ka											120,000 ^f 6,500,000 ^c	12 57	6,620,000	69
Jackson					114,394	23,464	311,562	5,756	42,517	697			468,473	29,917.9
Gavins Point, S.D.					41,415	3,243					201,840 ^g 3,800,000 ^c	841 38	4,043,255	4,122
Transplant					2,160	1,080					5,339 ^h 41 ^h 44 ⁱ 1,381 ^j 250 ^k 300 ^g 2,970 ^l	162.2 6.4 9.2 11.2 19.2 300 74	12,485	1,662.20
TOTALS	168,995	2,329.70	897,286	18,907.4	4,022,587	138,967.60	365,943	11,443	8,376,039	412,036.3	12,512,902	3,669.2	26,343,752	587,353.20

^aGolden ^bGrayling ^cWalleye ^dSplake ^eOhrd ^fLargemouth Bass ^gChannel Catfish ^hBlack Crappie ⁱPumpkinseed ^jSmallmouth Bass ^kNorthern Pike ^lSpottail Shiner

Table 6 - Record of Fish Planting (By County) - July 1, 1979 through June 30, 1980

Station	Brook		Brown		Cutthroat		Mackinaw		Rainbow		Miscellaneous		Total	
	No.	Lbs.	No.	Lbs.	No.	Lbs.	No.	Lbs.	No.	Lbs.	No.	Lbs.	No.	Lbs.
Albany	39,380	746	305,746	4,852	65,910	4,002			1,163,521	38,790.6	3,330 ^d	48	1,667,007	48,448.6
Big Horn					150,300	1,670	295,845	3,314	41,830	17,609	89,120 ^b	10	487,975	22,593
Campbell					15	.1			17,249	2,203.9	1,781 ^f	24.9	19,045	2,228.9
Carbon	25,160	74			111,542	1,885			1,450,525	51,328			1,587,227	53,287
Converse									58,625	1,144			58,625	1,144
Crook	3,560	343.2							21,038	4,749	400 ^b	400		
											382 ^e	.2		
											250 ^h	19.2		
											202,140 ^h	1,141		
											2,970 ^h	74	230,740	6,728.6
Fremont	13,158	115.8	46,965	777	77,739	2,109.5			179,583	39,925.5	17,000 ^b	3.4		
											10,400 ^b	402		
											76,520 ^d	822.8		
											742 ^e	412		
											6,391,600 ^c	73	6,813,707	44,641
											200,000 ^c	2	202,000	502
Goshen					5,818	31			2,000	500			64,955	1,827
Hot Springs					915	79.2			59,137	1,796				
Johnson	2,613	37.1	7,211	137.2					186,655	11,774.3	552 ^f	.2	197,990	12,037.2
											44 ^h	9.2	84,547	24,547
Laramie									84,547	24,547			677,422	41,159.5
Lincoln	10,310	75	100,000	2,000	129,159	27,094	26,509	2,584	411,444	9,406.5			4,260,807	92,209.5
Matrona	304	38			2,705,377	58,819.5			1,555,126	33,352			10,410	1,284
Niobrara			1,512	27					8,898	1,257			143,293	51,518.4
Park					117,473	26,848			23,820	24,670	2,000 ^a	.4		
Platte			32,140	1,730	108,240	1,230			900,111	26,123	120,000 ^f	12	6,460,491	29,140
											5,300,000 ^c	45		
Sheridan	1,143	16.8	7,000	268	7,744	212			29,451	7,485	185 ^d	2		
											2,318 ^f	7.9		
											1,381 ^j	11.2	49,222	8,002.9
Sublette	48,057	571.7	161,110	2,156	104,046	7,842.2	30,089	5,170	1,192,912	35,160.2	38,940 ^a	6.6	1,624,654	50,913.3
											49,500 ^b	6.6	1,292,097	58,621.4
Sweetwater	1,000	25	169,532	6,050	181,906	2,960	13,500	375	925,929	49,211.3	230 ^f	.1	257,591	4,188
Teton	16,802	137			237,787	3,140.8			2,002	910	1,000 ^a	.2	94,702	9,888
Uinta	3,500	87.5	55,067	642.2	6,536	241.3			29,599	8,917			13,276	15,941
Washakie									13,276	15,941				
Weston	4,008	62.6	11,003	268					18,761	5,236	76 ^f	128.9	33,859	5,701.9
											41 ^h	6.4	12,090	803
Idaho					12,080	803								
TOTALS	168,995	2,329.70	897,286	18,907.4	4,022,587	138,967.6	365,943	11,443	8,376,039	412,036.3	12,512,902	3,669.2	26,343,752	587,353.20

^aGolden ^bGrayling ^cWalleye ^dSplake ^eOhrd ^fLargemouth Bass ^gChannel Catfish ^hBlack Crappie ⁱPumpkinseed ^jSmallmouth Bass ^kNorthern Pike ^lSpottail Shiner

APPENDIX V - PUBLIC ATTITUDES

RESULTS OF THE 1980 WYOMING RESIDENT ATTITUDE SURVEY

1980 WYOMING WILDLIFE QUESTIONNAIRE

SAMPLE SIZE - 2,270

(Percent of Respondents)

	Strongly Agree	Agree	Neutral or Undecided	Disagree	Strongly Disagree
It is a privilege to hunt and fish on private land, not an inherent right.....	62.6	32.2	2.4	1.9	0.9
From what I can see, the Game and Fish Department expends license monies efficiently.....	14.6	61.7	17.1	5.4	1.2
Public access on and across private lands is increasing.....	5.9	18.7	24.8	35.1	15.5
In general, wildlife populations have been declining in Wyoming over the past few years.....	17.3	32.8	16.6	28.6	4.7
I feel adequately informed on issues and activities affecting wildlife resources in Wyoming.....	6.7	48.2	17.8	23.1	4.2
All Game and Fish wardens perform their duties in a highly professional manner.....	11.1	45.7	18.9	19.6	4.7
I fish reservoirs and lakes more than I used to.....	7.6	30.9	17.6	36.4	7.5
In the past few years, there has been less opportunity to get away from people while hunting or fishing.....	57.8	32.7	2.9	4.8	1.7
Persons who have never received a moose, sheep, or goat license should be favored in the drawings over those persons who have had a license in the past.....	36.8	29.9	10.1	15.3	7.9
It is becoming easier to locate public lands.....	3.4	32.5	22.3	31.2	10.7
The only type of fishing in which I am interested is trout fishing.....	10.8	24.7	8.8	40.6	15.2
Just the knowledge that wildlife thrives in Wyoming gives me great satisfaction.....	53.4	39.7	2.5	3.5	0.8
Wildlife plays an important role in the enjoyment of my outdoor recreational activities.....	73.7	24.4	1.1	0.5	0.3
Almost all sportsmen comply with the Game and Fish regulations in Wyoming.....	2.9	37.1	11.8	32.9	15.3
Most violators of Game and Fish laws are apprehended.....	1.2	5.0	11.0	48.2	34.5
Stream alteration has diminished the quality and quantity of sport fishing opportunity in Wyoming.....	20.7	38.5	29.2	9.9	1.7
Many bighorn sheep herds have reached the maximum size which can be supported by their habitat.....	2.7	17.1	58.4	17.7	4.1
Reduction in big game winter range is seriously threatening many big game herds in Wyoming.....	27.9	42.8	19.7	8.2	1.5

1980 WYOMING WILDLIFE QUESTIONNAIRE (CONTINUED)

(Percent of Respondents)

	Strongly Agree	Agree	Neutral or Undecided	Disagree	Strongly Disagree
New reservoir projects increase management costs, destroy valuable stream habitat and increase problems with rough fish.....	17.7	39.9	27.2	12.9	2.4
Stocking catchable trout is not a very expensive activity.....	1.3	5.5	17.7	49.0	26.5
More restrictive seasons and regulations are required to cope with the increasing demands for fishing and hunting.....	18.4	46.6	15.3	15.7	4.1
Predators cause significant losses to some big game herds.....	9.5	21.8	15.9	40.6	11.0
Roads, fences and other man-made structures impede deer and antelope movements.....	31.8	48.1	6.1	11.4	2.6
Big game hunting is necessary for the maintenance of healthy herds.....	51.3	43.5	2.6	2.1	0.6
Grizzly bears should not be hunted under any circumstances.....	10.3	11.6	20.3	39.7	18.2
Lack of minimum stream flows and reservoir water levels have hurt many of our sport fisheries.....	35.0	43.6	17.1	3.3	1.0
Hunters should be allowed only one moose, sheep, and goat license in their lifetime.....	8.2	8.1	13.8	42.5	27.4
Increased outdoor recreational activities (snowmobiling, rafting, backpacking, etc.) are conflicting with the needs of wildlife.....	20.9	38.6	15.2	20.6	4.6
Wildlife causes significant economic loss to ranchers and farmers in Wyoming.....	4.0	24.4	18.5	38.5	13.2
Wild horses compete with many forms of wildlife.....	23.2	41.6	15.9	15.7	3.6
Hunters should be allowed to harvest only one moose, sheep and goat in their lifetime.....	11.4	12.2	12.8	38.7	24.9
Changes in land use are reducing the amount of wildlife which can be supported in Wyoming.....	28.9	51.5	10.9	7.3	1.5
Drawings should be used to limit fishing pressure on highly productive waters or trophy fisheries.....	5.0	20.2	25.4	36.9	12.5
Game and Fish should restrict some waters to catch and release fishing.....	14.1	36.6	21.3	20.6	7.5
Roadless (wilderness) areas are important to the maintenance of many wildlife populations.....	37.8	39.6	6.7	10.8	5.1
Hunters, fishermen and other outdoor recreationists cause substantial damage to private land, livestock, fences and buildings.....	15.2	35.2	15.8	26.1	7.6

1980 WYOMING WILDLIFE QUESTIONNAIRE (CONTINUED)

(Percent of Respondents)

	Strongly Agree	Agree	Neutral or Undecided	Disagree	Strongly Disagree
Game and Fish should restrict some waters to fly and lure fishing only.....	19.1	39.7	19.1	16.2	5.9
Special fees should be charged to limit fishing pressure on highly productive waters or trophy fisheries.....	8.1	24.0	21.7	32.5	13.6
Land uses destructive of wildlife habitat should carry the cost of replacing this habitat as a part of the project.....	55.0	33.3	8.2	2.4	1.0

I would fish waters that were restricted to fishing with artificial flies and lures only.....	72.7	27.3
---	------	------

The Wyoming Game and Fish Department is charged with managing all wildlife species in Wyoming. However, funds for carrying out the Department's activities are derived from hunting and fishing license sales and excise taxes on firearms, archery equipment and fishing equipment. Since most of these funds are contributed by people who hunt and fish, do you feel the Department should be using these funds to carry out a management program for non-game species of wildlife in Wyoming?.....	Yes 58.6	No 41.4
--	-------------	------------

Would you favor the Game and Fish Department receiving other sources of funding for management of non-game species of wildlife in Wyoming, other than from license fees?.....	82.7	17.3
---	------	------

I would fish waters where regulations required the return of all fish caught.....	64.3	35.6
---	------	------

Do you consider yourself a (please circle all applicable descriptions):

	Percentage
environmentalist	46.0
hunter	90.5
antihunter	1.1
fisherman	88.7
rancher or farmer	20.0
city dweller	37.2
photographer	41.6
backpacker	30.0
gun collector	21.8
Wyoming history "buff"	36.3

1980 WYOMING WILDLIFE QUESTIONNAIRE (CONTINUED)

How old are you.....	44.2
How many years have you been a Wyoming resident.....	27.8
How many people, other than yourself, will generally ready your copy of <u>Wyoming Wildlife</u> magazine.....	3.6

Number of questionnaires from counties (postmark):

<u>County</u>	<u>No. Respondents</u>	<u>County</u>	<u>No. Respondents</u>
Natrona	209	Converse	38
Laramie	253	Niobrara	15
Sheridan	166	Hot Springs	40
Sweetwater	182	Johnson	49
Albany	142	Campbell	44
Carbon	111	Crook	44
Goshen	45	Uinta	35
Platte	62	Washakie	65
Big Horn	64	Weston	29
Fremont	207	Teton	48
Park	143	Sublette	53
Lincoln	85	Unknown	141

APPENDIX VI - FISCAL SUMMARY

Table 1 - Fund Balance Summary

GAME AND FISH OPERATING FUND
FUND 08 ACCOUNT 001-006

PERIOD: JULY 1, 1979 THRU JUNE 30, 1980

BALANCE ON HAND JUNE 30, 1979	\$ 7,727,943.24
Receipts (See Table 2).	9,178,804.37
	<u>\$16,906,747.61</u>
Expenditure (See Table 3)	-13,492,191.84
BALANCE ON HAND JUNE 30, 1980	<u>\$ 3,414,555.77</u>

RESERVE FOR REPLACEMENT OF CAPITOL IMPROVEMENT
FUND 08 ACCOUNT 007

PERIOD: JULY 1, 1980 THRU JUNE 30, 1980

BALANCE ON HAND JUNE 30, 1979	\$ 306,035.43
Receipts.	45,187.64
BALANCE ON HAND JUNE 30, 1980	<u>\$ 351,223.07</u>

FISH HATCHERY LAND INCOME
FUND 08 ACCOUNT 008

PERIOD: JULY 1, 1979 THRU JUNE 30, 1980

BALANCE ON HAND JUNE 30, 1979	\$ 203,881.68
Receipts.	33,339.92
BALANCE ON HAND JUNE 30, 1980	<u>\$ 237,221.60</u>

TRUST AND AGENCY-HUNTING AND FISHING LICENSE APPLICATIONS
FUND 04 ACCOUNT 009

PERIOD: JULY 1, 1979 THRU JUNE 30, 1980

BALANCE ON HAND JUNE 30, 1979	\$ 1,751,345.00
Receipts.	11,816,528.00
	<u>\$13,567,873.00</u>
Transferred to Fund 08 Accounts 001-006	-2,965,858.00
	<u>\$10,602,015.00</u>
Expenditures (Unsuccessful Warrants).	-5,633,693.00
BALANCE ON HAND JUNE 30, 1980	<u>\$ 4,968,322.00</u>

TRUST AND AGENCY-GIFTS AND DONATIONS
FUND 04 ACCOUNT 010

PERIOD: JULY 1, 1979 THRU JUNE 30, 1980

BALANCE ON HAND JUNE 30, 1979	\$ 51,579.33
Receipts.	15,410.36
BALANCE ON HAND JUNE 30, 1980	<u>\$ 66,989.69</u>

Table 2 - Receipts

JULY 1, 1979 THRU JUNE 30, 1980

RECEIPTS:

Hunting and Fishing Licenses	\$ 7,316,093.00
Office Receipts.	5,178.95
WYOMING WILDLIFE Magazines & Publications.	213,411.07
Watercraft Certificates.	74,754.00
Rent from Department Dwellings	59,390.00
Interest from State Treasurer.	389,001.80
Interest from Investments.	19,733.81
Refund - Prior Year.	10,982.92
Refund - Current Year.	160,737.72
100% Reimbursable Contracts.	91,446.67
Real Estate Sales.	62,655.00
Insufficient Fund Checks	1,350.67-

GRANT IN AID:

Pittman-Robertson Projects	377,072.03
Dingell-Johnson Projects	132,233.91
Commercial Fisheries Research & Development.	.00
Cooperative - U.S. Forest Service.	17,862.64
Cooperative - Bureau of Reclamation.	32,118.92
Grazing Leases - Federal Aid Participation	65,976.82
Share Cropping - Federal Aid Participation	78,098.78
Boating Safety	73,407.00
	<u>\$ 9,178,804.37</u>

Table 3 - Total Distribution of Expenditures

PERIOD: JULY 1, 1979 THRU JUNE 30, 1980

	ADMINISTRATION	FISCAL DIVISION	COMMUNICATIONS DIVISION	RESEARCH & DEVELOPMENT DIVISION
PERSONAL SERVICES . . . \$	616,395.79	\$ 454,450.24	\$ 377,250.33	\$1,039,156.85
SUPPORTIVE SERVICES . .	278,187.52	1,783,854.73	192,644.90	375,760.88
RESTRICTIVE SERVICES. .	926.36	160,274.10	.00	.00
GRANT IN AID PAYMENTS .	.00	.00	.00	.00
CAPITAL EXPENDITURES. .	550,833.52	.00	.00	155,623.71
NON-OPERATING EXPENDITURES.	4,000.00	276,340.00	229,359.64	.00
SPECIAL SERVICES. . . .	15,354.76	.00	16,903.41	15,808.14
TOTAL.	\$1,465,697.95	\$2,674,919.07	\$ 816,158.28	\$1,586,349.58

Table 3 - Total Distribution of Expenditures (continued)

PERIOD: JULY 1, 1979 THRU JUNE 30, 1980

	FISH DIVISION	GAME DIVISION	TOTAL	PERCENTAGE
PERSONAL SERVICES . . .	\$2,025,181.38	\$2,871,646.10	\$ 7,384,080.69	54.7
SUPPORTIVE SERVICES . .	610,359.61	1,139,774.18	4,380,581.82	32.5
RESTRICTIVE SERVICES. .	.00	.00	161,200.46	1.2
GRANT IN AID PAYMENTS .	.00	50,000.00	50,000.00	.3
CAPITAL EXPENDITURES. .	60,939.35	.00	767,396.58	5.7
NON-OPERATING EXPENDITURES.	.00	500.00	510,199.64	3.8
SPECIAL SERVICES. . . .	72,842.36	117,823.98	238,732.65	1.8
TOTAL.	\$2,769,322.70	\$4,179,744.26	\$13,492,191.84	100.00%
			39,752.97*	
			<u>\$13,531,944.81</u>	

*Section 23-2-101 (e), Wyoming Statutes (effective January 1, 1980) provides that nonresidents shall pay an application fee of five dollars (\$5.00) when applying for or purchasing various licenses. Fees collected (deposited under Fund 08, Account 011) are to compensate owners or lessees of property damaged by game animals and game birds.

Damage claim expenditures from January 1, 1980 through June 30, 1980 were paid from Fund 08 Account 011 amounting to \$39,752.97. Damage claim expenditures from July 1, 1979 through December 31, 1979 are included under "Game Division - Supportive Services" amounting to \$70,420.69. Total damage claim expenditures for F.Y. 80 amount to \$110,173.66.